

Blue Prism.AD01.by.Akhmi.114q

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Passing Score: 800  
Time Limit: 120  
File Version: 12.0

Exam Code: AD01  
Exam Name: Blue Prism Developer



**Exam A**

**QUESTION 1**

When automating a Windows application what type of stage is configured to perform a Global Send Key Events?

- A. Notes Stage
- B. Read Stage
- C. Write Stage
- D. Navigate Stage

**Correct Answer: D**

**Section:**

**Explanation:**

Reason: Global send key events and global keys are not passed through the navigate stage.

The screenshot displays the TestComplete interface. At the top, the 'Navigate Properties' dialog box is open, showing 'Name: Navigate1' and an empty 'Description' field. Below this, the 'Application Explorer' window shows a tree view of the application structure. The 'Order System Rohit\_Application' is expanded, showing sub-windows: 'SingIn Window', 'Options Window', 'NewOrder Window', and 'Order Confirmation Window'. The 'Actions' pane on the right shows a table with one row: 'Order System Rohit\_Application' with the action 'Global Send Keys' and 'Inputs Set' set to 'Yes'. Below the table are buttons for 'Move Up', 'Move Down', 'Add', and 'Remove'. The 'Inputs' pane at the bottom shows a table with one row: 'Text' with 'Datatype' 'Text' and an empty 'Value' field.

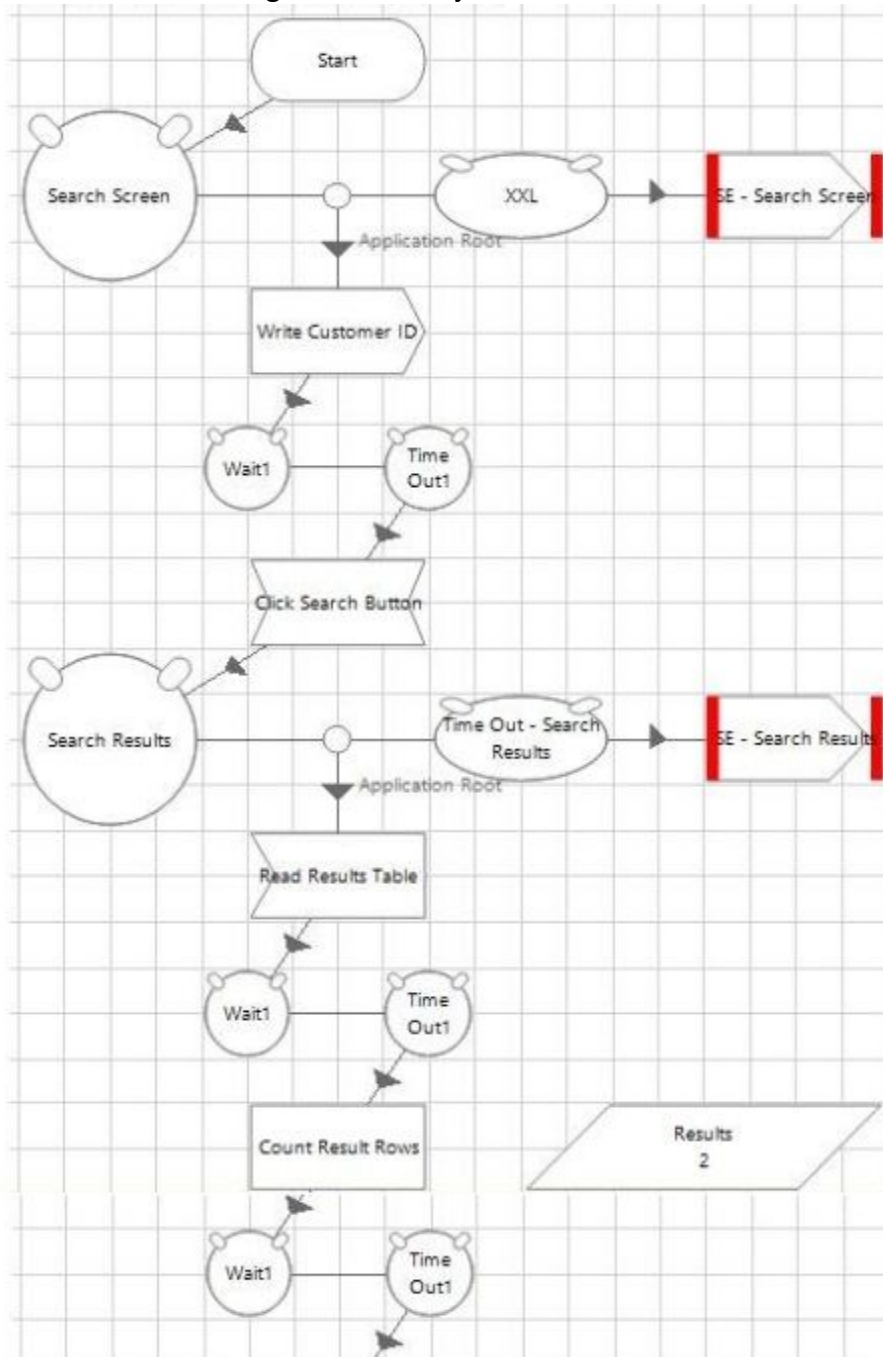
Element	Para...	Action	Inputs Set
Order System Rohit_Application	...	Global Send Keys	Yes

Name	Datatype	Value
Text	Text	

## QUESTION 2

Consider the following flow in an object:



Which of these statements is true?

- A. The flow shown in the diagram is correct, the wait stages are all adding a high level of robustness to the action
- B. The wait stages after read and write stages should be removed they are not required and are slowing the flow down
- C. The wait stages after read stages should be removed, the wait stages after write stages should be left because the application will have been changed
- D. Only the first wait stage in this flow is required, all the other wait stages should be removed.

**Correct Answer: B**

**Section:**

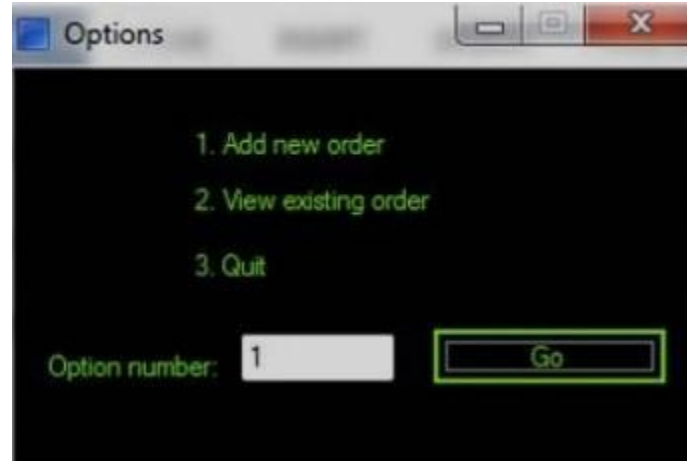
**Explanation:**

Reason: There is no wait stage required after Read and write stage as it makes the process lengthy here, because here no activity is performed which are taking time to read and write so wait is not useful. Here wait is required for search fields as there the activity is happening in which it is required for wait.

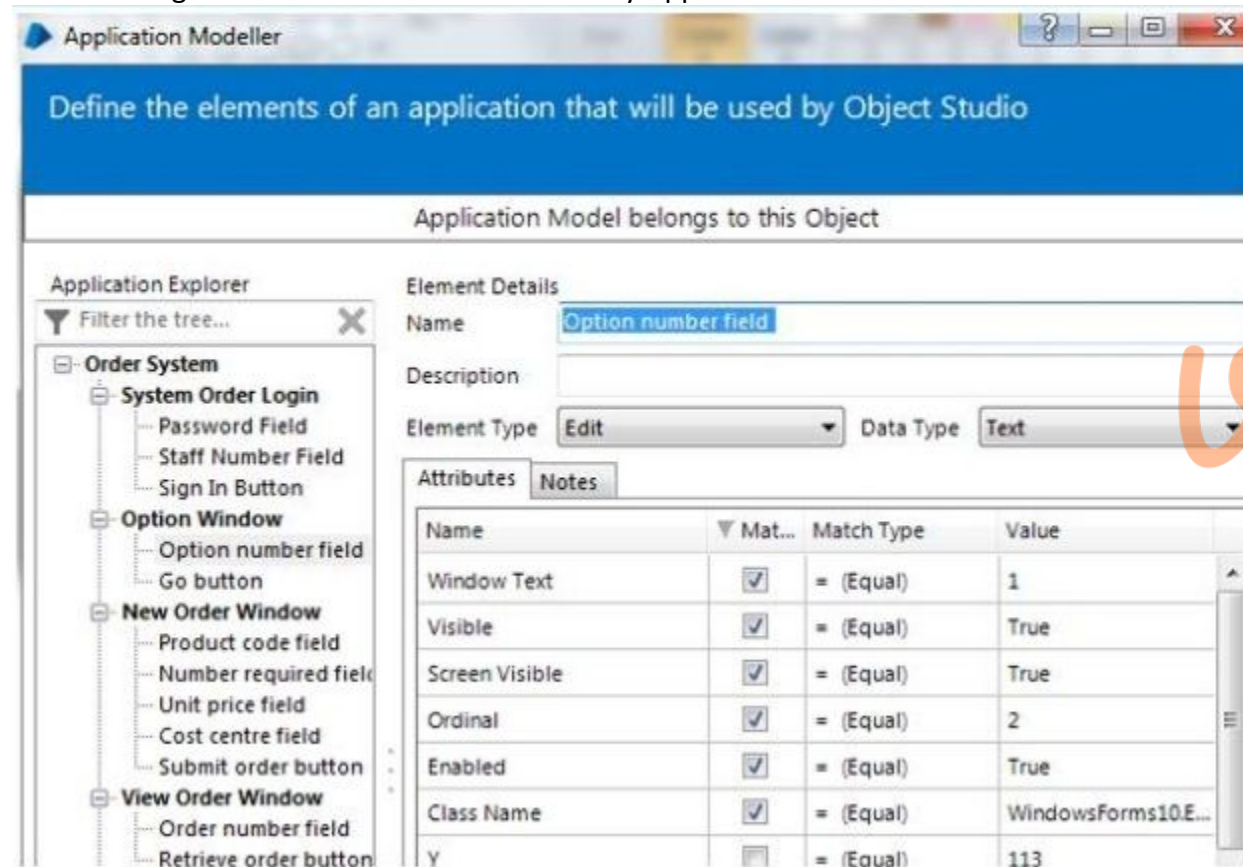
 **vdumps**

### QUESTION 3

When entering an option within the Training Order system the relevant option number is entered into the Option number field as below The Option number input field has been spied in Blue Prism:



The following attribute set has been returned by Application Modeller:



Which Attribute can be un-ticked to ensure consistent visibility of the element to Blue Prism?

- A. Window Text
- B. Visible
- C. Screen Visible
- D. Class Name

**Correct Answer: A**

**Section:**

**Explanation:**

Reason: As the window text is not unique when the value is changed and bp is able to spied at time a error would come. So there is no use of window text.

**QUESTION 4**

Which part of Blue Prism is capable of performing interactions with Business applications (applications which a user would use)?

- A. Control Room
- B. Application Modeller
- C. Object Studio
- D. Process Studio

**Correct Answer: C**

**Section:**

**Explanation:**

Understanding Blue Prism Components:

Control Room: Used for monitoring and controlling running processes and managing work queues.

Application Modeller: A part of Object Studio used to define elements of the application interface for automation.

Object Studio: Used to create business objects that interact with applications, containing the logic to automate application tasks.

Process Studio: Used to create processes that orchestrate business logic using business objects.

Capability to Interact with Business Applications:

Object Studio is specifically designed for creating business objects that perform interactions with business applications, such as clicking buttons, entering data, and reading information from the application interface.

Conclusion:

The part of Blue Prism capable of performing interactions with business applications is Object Studio.

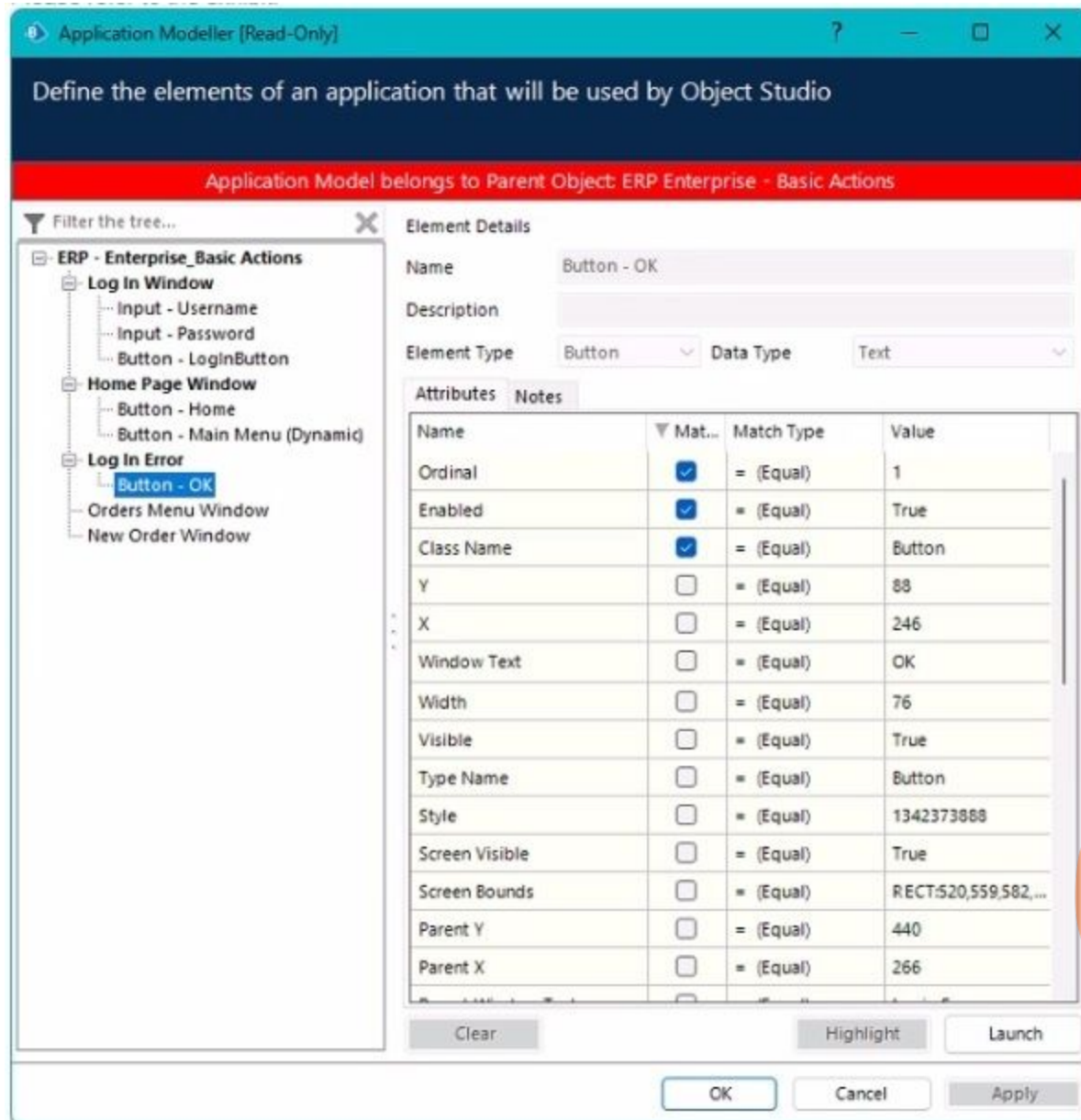
Blue Prism Developer Documentation: Object Studio and Business Objects

Blue Prism Training Material on Application Interaction

**QUESTION 5**

Please refer to the exhibit.





A Developer is unable to make changes to the Elements in the Application Modeller. What are the TWO reasons for this?

- A. Shared Application Model is locked for edits
- B. User account does not have the permissions
- C. Run Mode of the Object is set to Exclusive
- D. Target application is not launched or attached
- E. Application Modeller is opened at process runtime

**Correct Answer: A, B**

**Section:**

**Explanation:**

Understanding the Scenario:

The developer is unable to make changes to the elements in the Application Modeller.

This could be due to several reasons including permissions, application state, or system configurations.

Possible Reasons for Inability to Edit:

Option A: If the shared application model is locked for edits, it prevents any changes from being made until it is unlocked.

Option B: If the user account does not have the necessary permissions, they will be unable to make changes to the application model.

Option C: The run mode of the object being set to Exclusive would affect execution but not the ability to edit in Application Modeller.

Option D: The target application not being launched or attached would affect element spying but not the ability to edit existing elements.

Option E: If Application Modeller is opened during process runtime, it could limit some functionalities but should not generally prevent editing.

Conclusion:

The two reasons that prevent the developer from making changes to the elements in the Application Modeller are:

A . Shared Application Model is locked for edits.

B . User account does not have the permissions.

Blue Prism Developer Documentation: Application Modeller Permissions

Blue Prism Training Material on Shared Application Models and User Permissions

#### QUESTION 6

A Developer is unable to pass Collection data as an Input Parameter because the Collection is not visible under available Data Items What is the reason for this issue?

A. The referenced Collection is not set to global

B. There is a block surrounding the Collection

C. There are more than four fields in the Collection

D. The Collection fields are not defined

**Correct Answer: A**

**Section:**

**Explanation:**

Understanding Input Parameters and Collections:

In Blue Prism, collections can be passed as input parameters to actions or processes if they are correctly defined and visible.

Possible Reasons for Collection Not Being Visible:

Option A: Collections must be set to global (accessible on all pages) to be used as input parameters. If the collection is not set to global, it will not be available under the available data items.

Option B: Surrounding a collection with a block does not affect its visibility as an input parameter.

Option C: The number of fields in a collection does not impact its ability to be passed as an input parameter.

Option D: Undefined collection fields would cause issues in using the collection but would not prevent it from being visible.

Conclusion:

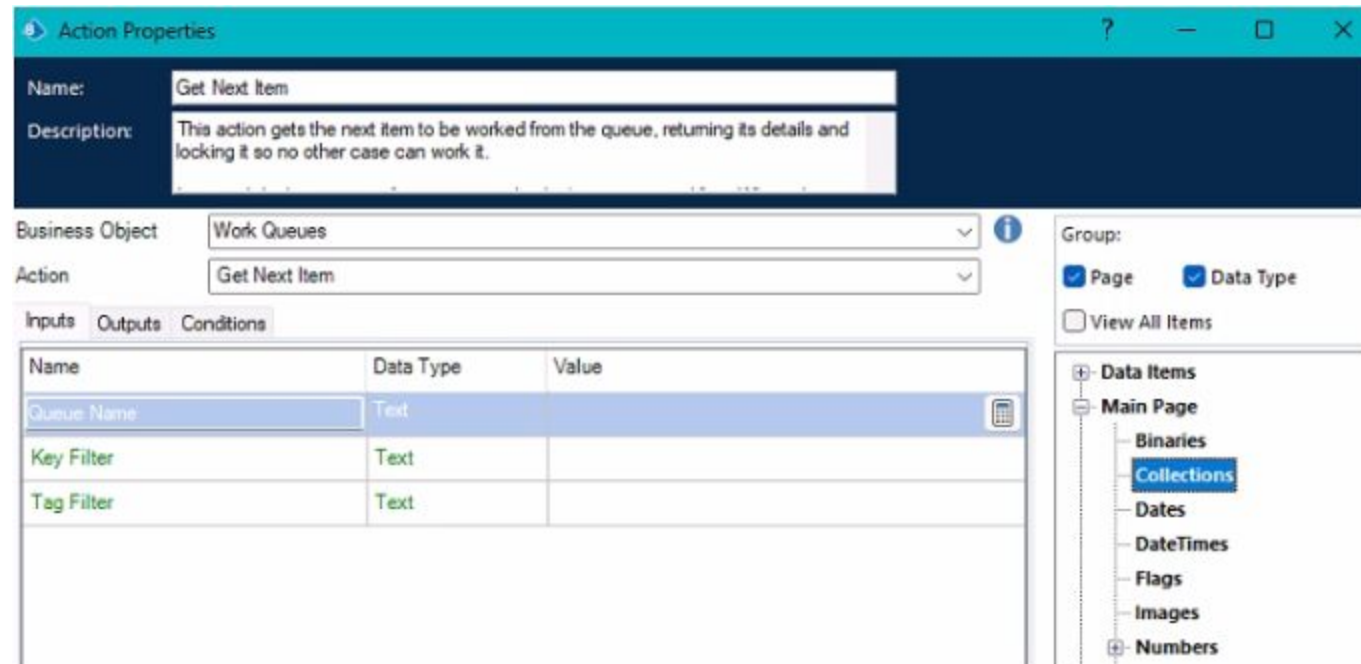
The reason the developer is unable to pass the collection data as an input parameter is because A. The referenced Collection is not set to global.

Blue Prism Developer Documentation: Collections and Global Data Items

Blue Prism Training Material on Data Item Scope and Visibility

#### QUESTION 7

Please refer to the exhibit.



A Developer is unable to pass Collection data as an Input Parameter because the Collection is not visible under available Data Items What is the reason for this issue?

- A. The referenced Collection is not set to global
- B. There is a block surrounding the Collection
- C. There are more than four fields in the Collection
- D. The Collection fields are not defined

**Correct Answer: A**

**Section:**

**Explanation:**

Revisiting the Issue:

Similar to Question No: 130, the developer is unable to pass collection data as an input parameter because the collection is not visible under the available data items.

Analyzing the Possible Reasons:

Option A: As previously explained, collections need to be set to global to be visible and usable as input parameters.

Option B: A block surrounding the collection does not impact its visibility.

Option C: The number of fields in a collection does not affect its visibility as an input parameter.

Option D: Undefined fields in a collection cause functional issues but not visibility issues.

Conclusion:

The reason the collection is not visible as an input parameter is because A. The referenced Collection is not set to global.

Blue Prism Developer Documentation: Collections and Global Data Items

Blue Prism Training Material on Data Item Scope and Visibility

#### QUESTION 8

An application being automated is prone to respond slowly when there is a lot of network traffic

How should the Developer manage these performance issues when designing an automation?

- A. Use an Unconditional Wait (Throttle) to allow controllers to increase or decrease the speed of the automation as it runs
- B. Place a Block around the Navigate stage then add a Recovery Stage Connect this to a Retry Loop which Resumes and retries that Navigate stage
- C. Add a Sleep stage before a Conditional Wait stage with a Global Timeout value which is sufficient to accommodate the system latency
- D. Use a Conditional Wait stage with a Global Timeout value which is sufficient to accommodate the system latency





**Correct Answer: D**

**Section:**

**Explanation:**

Understanding the Scenario:

The application being automated is prone to respond slowly due to network traffic.

The automation needs to handle these latency issues efficiently.

Evaluating the Options:

Option A: An Unconditional Wait (Throttle) is not an optimal solution as it does not adapt to varying response times and can unnecessarily slow down the automation.

Option B: Using a block and recovery with a retry loop is complex and not the best approach for handling expected latency issues. This is better suited for handling unexpected errors.

Option C: Adding a Sleep stage before a Conditional Wait stage is not efficient as it adds unnecessary wait time before checking the condition.

Option D: A Conditional Wait stage with a Global Timeout is the best approach. It allows the automation to wait for a condition to be met (e.g., an element to appear) with a maximum wait time that accommodates system latency. This method is adaptive and efficient.

Conclusion:

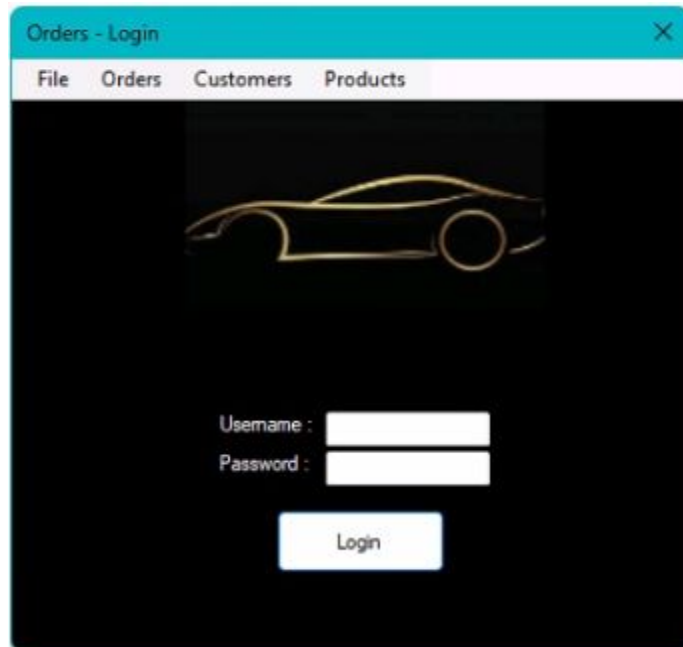
The best way to manage performance issues due to slow responses is to use D. Use a Conditional Wait stage with a Global Timeout value which is sufficient to accommodate the system latency.

Blue Prism Developer Documentation: Wait Stages and Performance Optimization

Blue Prism Training Material on Handling System Latency

### QUESTION 9

Please refer to the exhibit.



The logo for 'Vdumps' features a stylized orange 'V' followed by the word 'dumps' in a grey, lowercase, sans-serif font.

A Developer has used the Win32 mode to spy the login window and the Region mode to spy the Username field of a Windows-based application.

Using the Navigate stage, the developer would like to

- \* Bring the application screen to bring it foreground
- \* Send a 'Global Mouse Click Centre' command to the center of the username field
- \* Use Global Send Keys to populate the username field

How should the navigate stage be configured?

A)

**Navigate Properties**

Name:

Description:

**Application Explorer**

Filter the tree...

- Car Orders - Basic Actions
  - Login Window
    - Username

**Actions**

Element	Params	Action	Inputs Set
Car Orders - Basic Actions		Launch	No
Login Window		Click Window Centre	No
Car Orders - Basic Actions		Global Send Keys	No

B)

**Navigate Properties**

Name:

Description:

**Application Explorer**

Filter the tree...

- Car Orders - Basic Actions
  - Login Window
    - Username

**Actions**

Element	Params	Action	Inputs Set
Login Window		Activate Application	N/A
Username		Global Mouse Click Centre	No
Car Orders - Basic Actions		Global Send Keys	Yes

C)

**Navigate Properties**

Name:

Description:

**Application Explorer**

Filter the tree...

- Car Orders - Basic Actions
  - Login Window
    - Username

**Actions**

Element	Params	Action	Inputs Set
Login Window		Activate Application	N/A
Username		Global Mouse Click Centre	No
Car Orders - Basic Actions		Global Send Keys	Yes

D)

**Navigate Properties**

Name:

Description:

**Application Explorer**

Filter the tree...

- Car Orders - Basic Actions
  - Login Window
    - Username

**Actions**

Element	Params	Action	Inputs Set
Car Orders - Basic Actions		Attach	No
Username		Global Mouse Click Centre	No
Car Orders - Basic Actions		Global Send Keys	No

- A. Option A
- B. Option B
- C. Option C
- D. Option D

**Correct Answer: C**

**Section:**

**Explanation:**

Understanding the Requirements:

The developer needs to perform the following actions using the Navigate stage:

Bring the application screen to the foreground.

Send a 'Global Mouse Click Centre' command to the center of the Username field.

Use Global Send Keys to populate the Username field.

Steps to Achieve the Requirements:

Bring the application to the foreground: This can be done using the 'Activate Application' action on the 'Login Window'.

Send a 'Global Mouse Click Centre' command: This can be done by selecting the 'Global Mouse Click Centre' action on the 'Username' element.

Use Global Send Keys to populate the Username field: This can be done by selecting the 'Global Send Keys' action on the 'Username' element.

Analyzing the Options:

Option A:

Launch action on the 'Login Window': Correct for bringing the application to the foreground but not suitable for already running applications.

Click Window Centre on 'Login Window': Not the best approach for focusing on a specific element.

Global Send Keys on 'Username': Correct for sending keys but requires prior focus on the Username field.

Option B:

Activate Application on the 'Login Window': Correct for bringing the application to the foreground.

Global Mouse Click Centre on 'Username': Correct for clicking the center of the Username field.

Global Send Keys on 'Username': Correct for sending keys to the Username field.

Option C:

Activate Application on the 'Login Window': Correct for bringing the application to the foreground.

Global Mouse Click Centre on 'Username': Correct for clicking the center of the Username field.

Global Send Keys on 'Username': Correct for sending keys to the Username field.

Option D:

Attach action on the 'Login Window': Not necessary for bringing the application to the foreground if it is already running.

Global Mouse Click Centre on 'Username': Correct for clicking the center of the Username field.

Global Send Keys on 'Username': Correct for sending keys to the Username field.

Conclusion:

The correct configuration is Option C because it uses:

'Activate Application' action to bring the application to the foreground.

'Global Mouse Click Centre' action to click the center of the Username field.

'Global Send Keys' action to populate the Username field.

Blue Prism Developer Documentation: Navigate Stage and Actions

Blue Prism Training Material on Spying Modes and Application Interaction

#### QUESTION 10

What is the syntax for using a collection field in an expression?

- A. Like this MyCollection(MyField)
- B. Like this MyCollection[MyField]
- C. Like this [MyCollection[MyField]]
- D. Like this MyCollection.MyField

E. Like this [MyCollection.MyField]

**Correct Answer: E**

**Section:**

**Explanation:**

Reason: collection name or data type should always pass in square braces. And if you want to pass any column from the collection than use it as a dot notation after the collection name in the same braces. (You can check this in foundation course or by doing practically)

**QUESTION 11**

When configuring an object's run mode which of the following is true?

- A. Setting the run mode to foreground will give the object priority over the target system ahead of any other Business Object.
- B. Setting the run mode to exclusive will ensure only one process runs on that resource at a time.
- C. Setting the run mode to background will enable the object to run at the same time as foreground and background objects on the same resource.
- D. Leaving the run mode blank will allow any number of processes and objects to run at the same time on the same resource.

**Correct Answer: C**

**Section:**

**QUESTION 12**

Which of the following Stages can be found in Process Studio AND Object Studio?

A)



B)



C)



D)



- A. Option A
- B. Option B
- C. Option C
- D. Option D

**Correct Answer: B**

**Section:**

**Explanation:**

Reason: Only the choice stage is found in both process and object studio rest all other stages are found only in the object studio.

**QUESTION 13**

When considering an element's attributes in Application Modeller which of the following statements are true? (select all that apply)



- A. The attributes are provided to Blue Prism by the Target System
- B. The initial selection of attributes made by Blue Prism will always be the optimum attribute set for the element
- C. The list of attributes may vary from application type to application type
- D. Selected attributes are shown as ticks in the Match column of Application Modeller

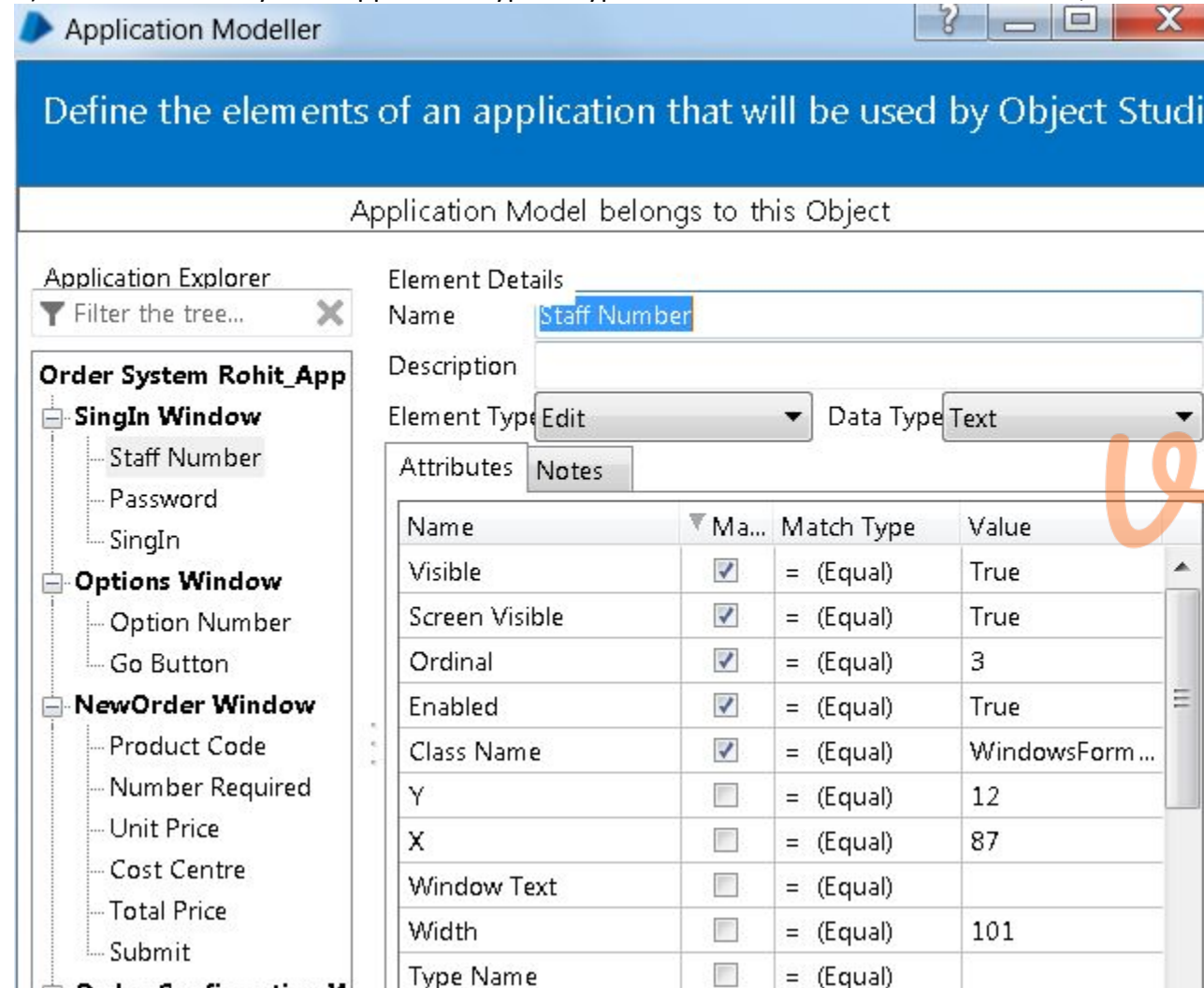
**Correct Answer: A, C, D**

**Section:**

**Explanation:**

Reason: A) when spying the application, blueprism fetch all the elements of the target application only, blue prism doesn't provide any elements of its own.

C) Attributes are vary from application type to type. Attributes are different for windows, browsers, mainframe, java.



**QUESTION 14**

Which of the following activities can you perform in Blue Prism Control Room?

(select all items which apply)

- A. Set the Maximum Attempts parameter for the Work Queue
- B. Rename a Work Queue
- C. Delete items from a Work Queue
- D. Refresh Work Queue data
- E. Create a Work Queue

F. Encrypt a Work Queue

**Correct Answer: A, C, D, F**

**Section:**

**Explanation:**

Understanding Control Room Functions:

The Control Room in Blue Prism is used to manage and monitor running processes and manage work queues.

Capabilities of Control Room:

Set the Maximum Attempts parameter for the Work Queue (Option A): This is a parameter setting available in the Control Room for work queues.

Rename a Work Queue (Option B): Work queues cannot be renamed from the Control Room.

Delete items from a Work Queue (Option C): Items in a work queue can be deleted from the Control Room.

Refresh Work Queue data (Option D): The Control Room allows refreshing the data displayed for work queues.

Create a Work Queue (Option E): Work queues are created in the System Manager, not in the Control Room.

Encrypt a Work Queue (Option F): This can be managed from the Control Room to ensure data security.

Conclusion:

The activities you can perform in Blue Prism Control Room are:

A . Set the Maximum Attempts parameter for the Work Queue

C . Delete items from a Work Queue

D . Refresh Work Queue data

F . Encrypt a Work Queue

Blue Prism Developer Documentation: Control Room Functions

Blue Prism Training Material on Work Queue Management

#### QUESTION 15

Which of the following Work Queue icons indicates a case currently being worked?

A)



B)



C)



D)



A. Option A

B. Option B

C. Option C

D. Option D

**Correct Answer: D**

**Section:**

**Explanation:**

Understanding Work Queue Icons in Blue Prism:



Work queue icons in Blue Prism provide a visual indication of the status of cases in the queue.

Each icon represents a different state of a work queue item.

Icons and Their Meanings:

Option A (Flag): This typically indicates a flagged item, often used to mark items that need special attention or have been deferred.

Option B (Lock): This represents a locked item, indicating that the item is locked and cannot be processed.

Option C (Checkmark): This indicates that the item has been completed successfully.

Option D (Three Dots): This icon represents a case currently being worked on by a digital worker.

Conclusion:

The icon that indicates a case currently being worked is Option D (three dots).

Blue Prism Developer Documentation: Work Queue Icons and Status Indicators

Blue Prism Training Material on Work Queue Management

#### QUESTION 16

Which of the following Work Queue icons indicates a case is waiting to be worked?

A)



B)



C)



D)



A. Option A

B. Option B

C. Option C

D. Option D

**Correct Answer: B**

**Section:**

**Explanation:**

Understanding Work Queue Icons in Blue Prism:

Each work queue icon in Blue Prism represents a different status of a work queue item.

Icons and Their Meanings:

Option A (Checkmark): This indicates that the item has been completed successfully.

Option B (Flag): This icon typically represents an item that is waiting to be worked on or is flagged for attention.

Option C (Lock): This indicates that the item is locked and cannot be processed.

Option D (Three Dots): This icon represents a case that is currently being worked on by a digital worker.

Conclusion:

The icon that indicates a case is waiting to be worked is Option B (flag).

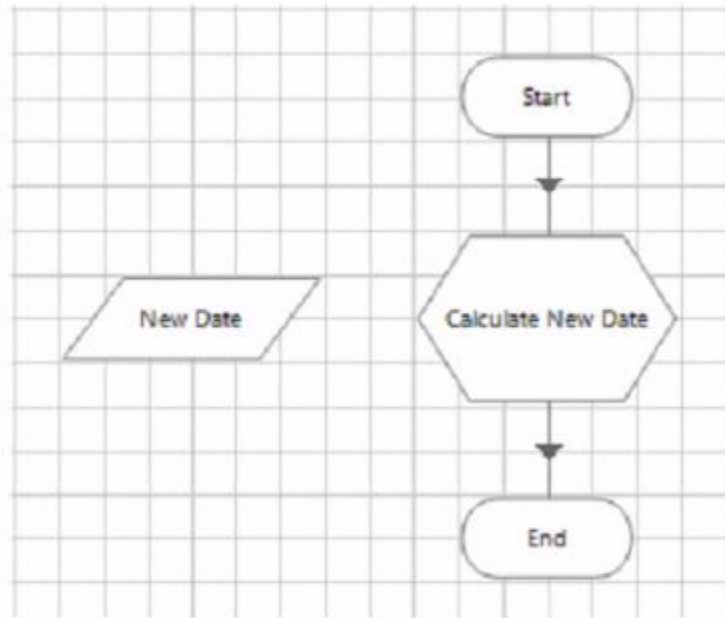
Blue Prism Developer Documentation: Work Queue Icons and Status Indicators

Blue Prism Training Material on Work Queue Management

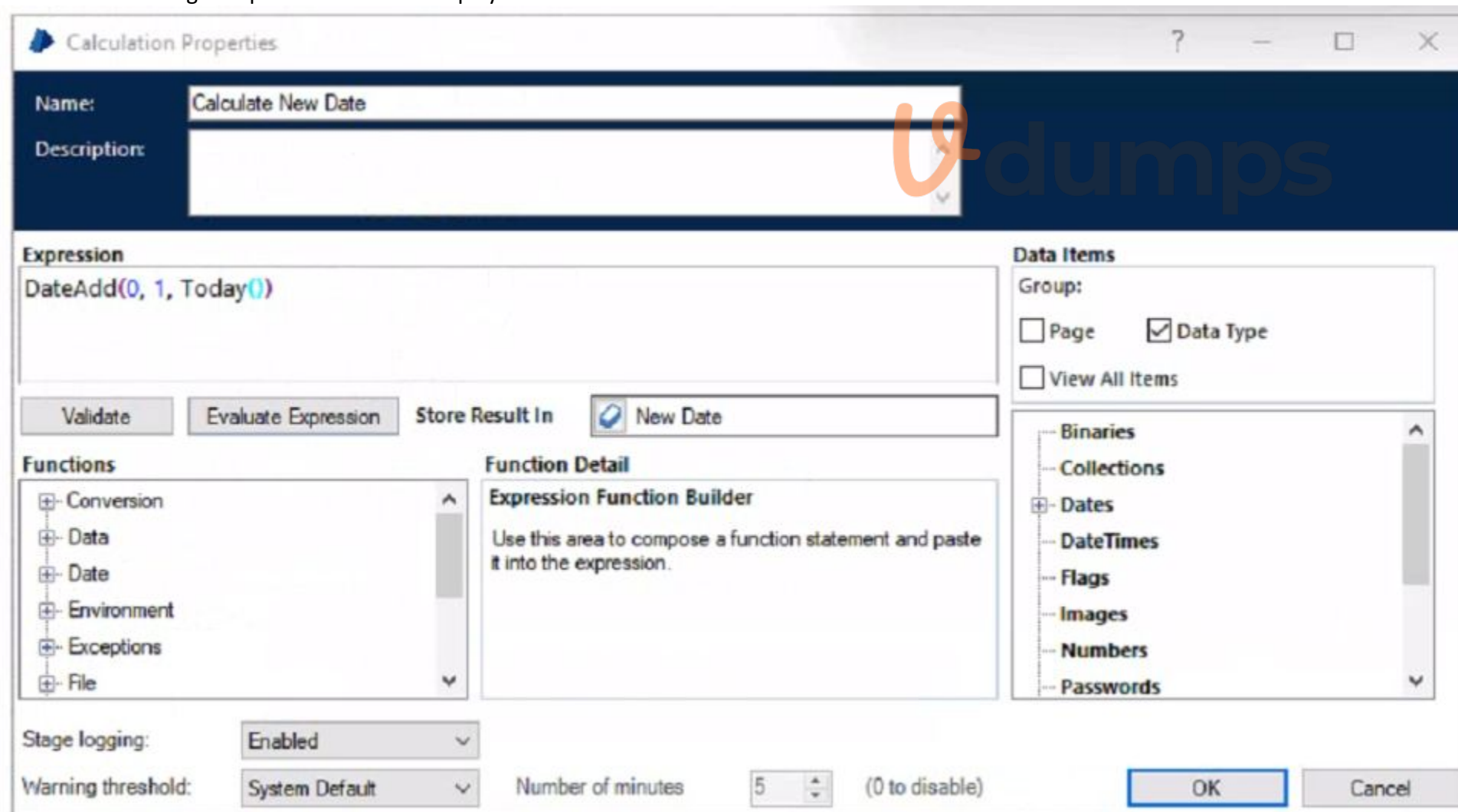


### QUESTION 17

Examine the following Blue Prism Process diagram:



The 'New Date' data item is a date data type and has no initial value.  
The Calculation stage Properties window is displayed below:



What will happen when you execute the 'Create New Date' stage?



- A. 1 year will be added to today's date and the result stored in the 'New Date' data item
- B. 1 month will be added to today's date and the result stored in the 'New Date' data item
- C. 1 week will be added to today's date and the result stored in the 'New Date' data item
- D. The 'New Date' data item value will contain today's date

**Correct Answer: A**

**Section:**

**Explanation:**

Understanding the Calculation Stage:

The calculation stage in Blue Prism is used to perform calculations and store the result in a specified data item.

The expression used in the calculation stage is `DateAdd(0, 1, Today())`.

Analyzing the DateAdd Function:

`DateAdd(interval, number, date)` is a function that adds a specified number of intervals to a given date.

The first parameter (interval) specifies the type of interval to add. In this case, it is 0.

The second parameter (number) specifies the number of intervals to add. In this case, it is 1.

The third parameter (date) specifies the starting date. In this case, it is `Today()`.

Interval Values in DateAdd Function:

In Blue Prism, the DateAdd function uses specific interval values:

0 for years

1 for months

2 for days

3 for hours

4 for minutes

5 for seconds

Given that the interval parameter is 0, it means that the function will add years.

Conclusion:

The `DateAdd(0, 1, Today())` expression will add 1 year to today's date.

Therefore, the result will be stored in the 'New Date' data item, and the correct answer is:

A . 1 year will be added to today's date and the result stored in the 'New Date' data item.

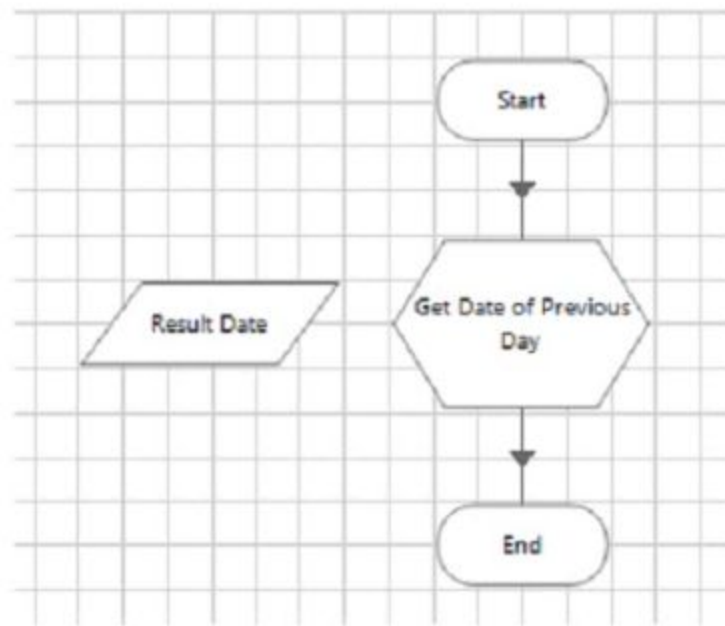
Blue Prism Developer Documentation: Date Functions

Blue Prism Training Material on Calculation Stages and Date Manipulation

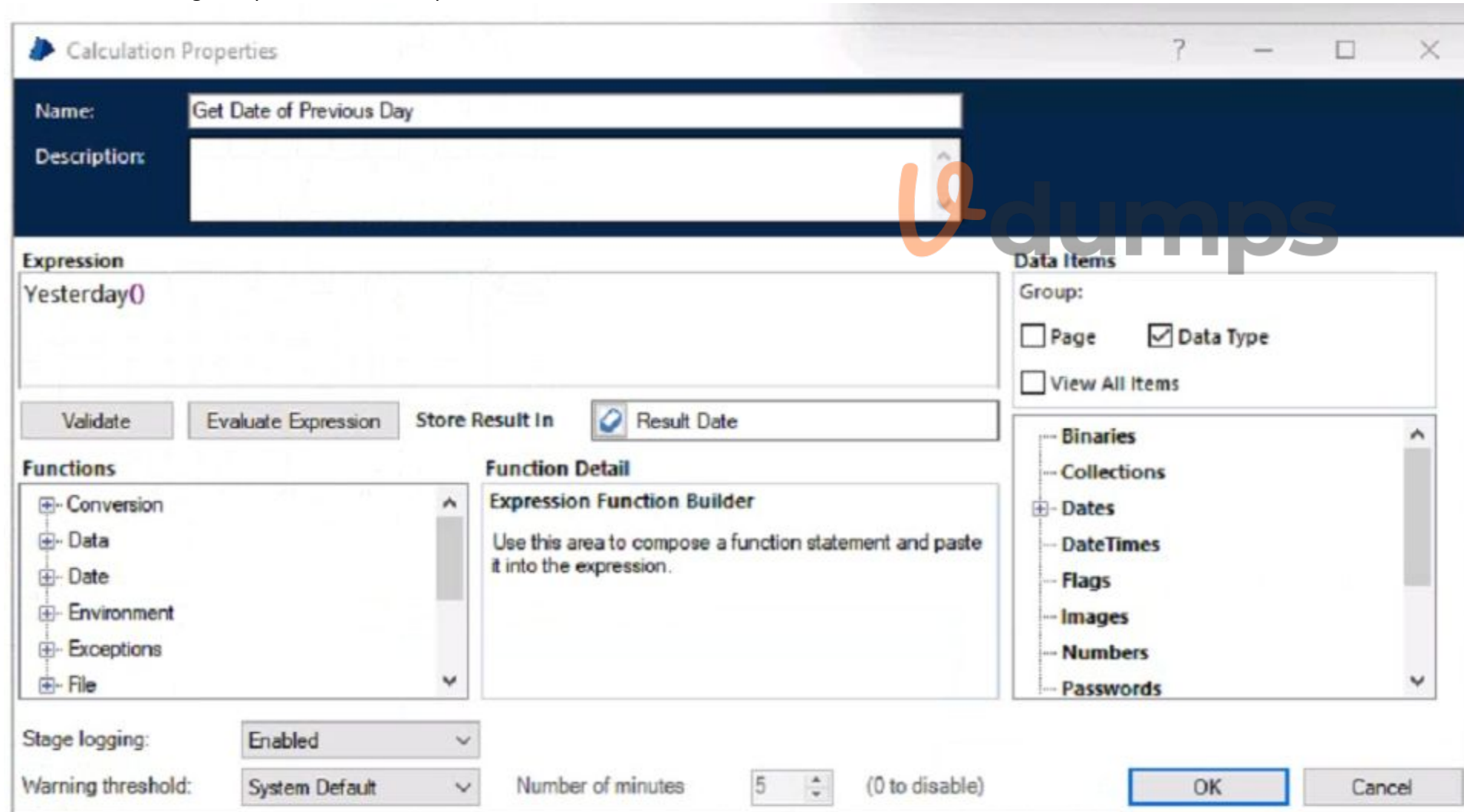


#### **QUESTION 18**

Examine the following Blue Prism Process diagram which is intended to get the date of the previous day as a date value:



The Calculation stage Properties window is provided below:



Which of the following statements about this process diagram are correct?

- A. None of these statements are correct
- B. If the 'Result Date' data item is configured as a Text data type, then a 'data type mismatch' Internal Exception will be thrown on execution of the Calculation stage

- C. If the 'Result Date' data item is configured as a Date data type, then the 'Result Date' data item will be set to the date of the previous day on execution of the Calculation stage
- D. On execution of the Calculation stage, a 'Failed to evaluate expression' Internal Exception will be thrown

**Correct Answer: C**

**Section:**

**Explanation:**

Understanding the Process Diagram:

The diagram includes a calculation stage named 'Get Date of Previous Day' and a data item named 'Result Date'.

The Calculation Properties window shows the expression Yesterday() used in the calculation stage.

Analysis of the Calculation Stage:

The Yesterday() function is used to get the date of the previous day.

The result of this function is stored in the 'Result Date' data item.

Data Type Considerations:

Option A: This option is incorrect because there are correct statements regarding the process diagram.

Option B: If 'Result Date' is configured as a Text data type, a 'data type mismatch' Internal Exception will indeed be thrown because the Yesterday() function returns a date, not text.

Option C: If 'Result Date' is configured as a Date data type, the Yesterday() function will correctly set 'Result Date' to the previous day's date.

Option D: This option is incorrect because the Yesterday() function is valid and will not throw a 'Failed to evaluate expression' Internal Exception if used correctly with a date data type.

Conclusion:

The correct statement is:

C . If the 'Result Date' data item is configured as a Date data type, then the 'Result Date' data item will be set to the date of the previous day on execution of the Calculation stage.

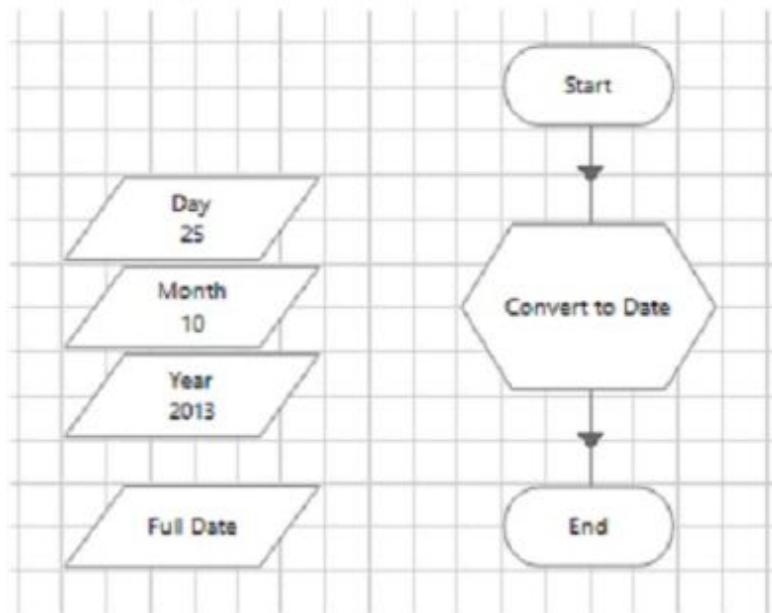
Blue Prism Developer Documentation: Date Functions

Blue Prism Training Material on Calculation Stages and Date Manipulation

**QUESTION 19**

DRAG DROP

Examine the following Blue Prism Process diagram:

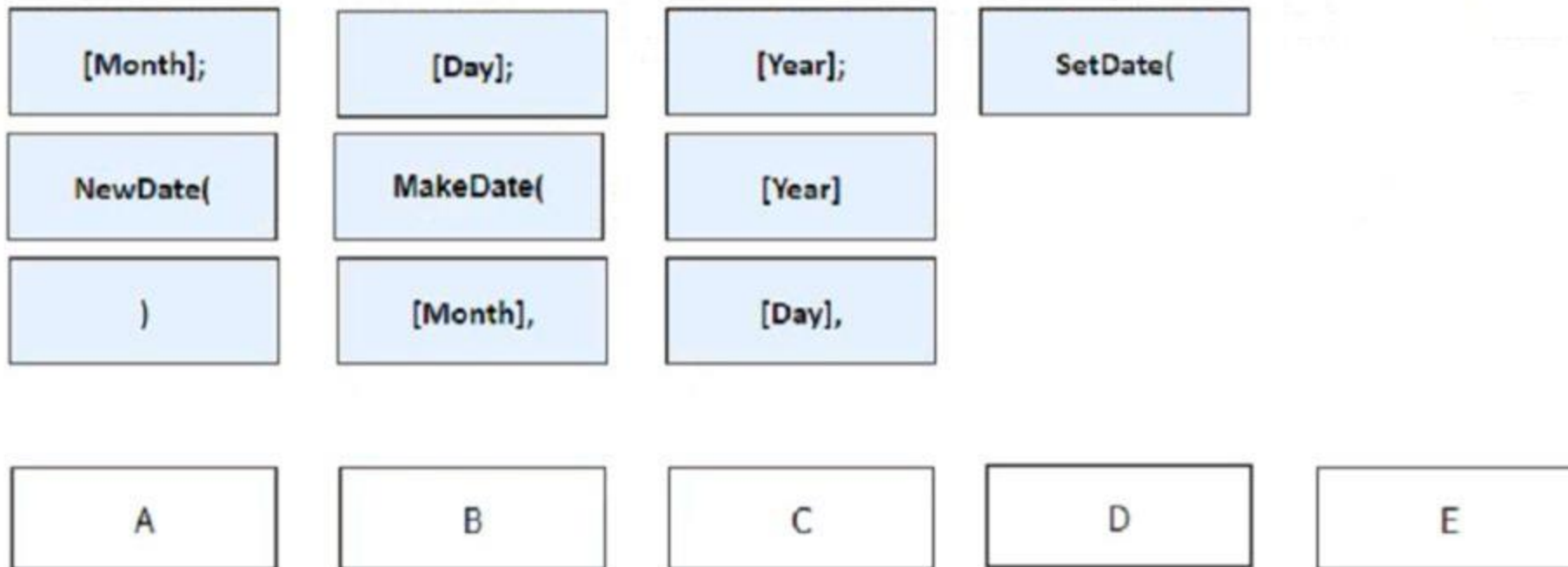


The purpose of this Process flow is to use the Day Month and Year data item values to create a date value, which is output to the Full Date data item

The 'Day' data item is a number data item and has an initial value of 25 The value of this data item is used as the day value when creating the full date. The 'Month' data item is a number data item and has an initial value of 10. The value of this data item is used as the month value when creating the full date. The 'Year' data item is a number data item and has an initial value of 2013 The value of this data item is used as the year value when creating the full date. The environment date format is dd/mm/yyyy.

To enable this Process flow to function correctly, drag and drop the items below into the placement boxes (A - E). to create the coned Blue Prism expression for the 'Convert to Date' calculation stage, so that the 'Full Date' data item is populated with the appropriate date, based on the Day Month and Year data items:

**Select and Place:**



Correct Answer:



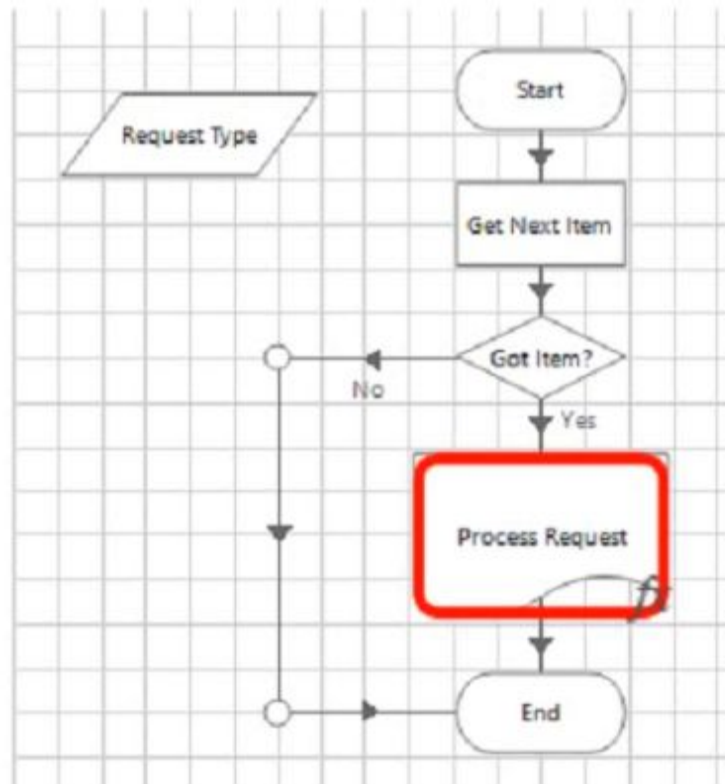
Section:

Explanation:

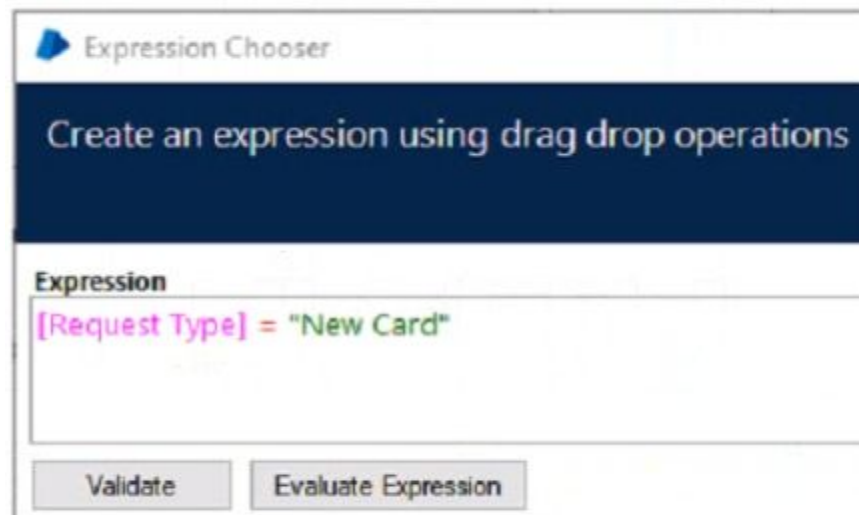
For further reference and a deeper understanding of Blue Prism expressions and functions, you can consult the official Blue Prism documentation or other authoritative resources on Blue Prism development.

**QUESTION 20**

Examine the following diagram which has been extracted from a Blue Prism Process currently being tested in Process Studio



The Request Type is a text data item and will contain a text value which categorizes the type of request being processed. The Process Request stage has been assigned a Breakpoint with the following Breakpoint condition:



**v**dumps

What will happen if you press the Go button when debugging the Process?

- A. If the 'Request Type' value equals 'New Card', then the Process will stop at the Breakpoint on the 'Process Request' stage
- B. If the 'Request Type' value equals 'New Card' then the Process will flow to the End stage without stopping
- C. Breakpoints are unconditional therefore the Process flow will always stop at the 'Process Request' stage
- D. If the 'Request Type' value is not equal to 'New Card', then the Process will stop at the Breakpoint on the 'Process Request' stage

**Correct Answer: A**

**Section:**

**Explanation:**

Understanding the Breakpoint:

A breakpoint in Blue Prism is used to pause the execution of a process at a specific stage, allowing for debugging.

The breakpoint can be conditional, meaning it will only pause the process if a specified condition is met.

Analyzing the Breakpoint Condition:

The provided condition is [Request Type] = 'New Card'.

This means the breakpoint on the 'Process Request' stage will only trigger if the value of the 'Request Type' data item is 'New Card'.

Possible Outcomes:

Option A: Correct. If the 'Request Type' value equals 'New Card', the process will stop at the 'Process Request' stage because the condition is met.

Option B: Incorrect. If the 'Request Type' value equals 'New Card', the process will stop at the breakpoint, not flow to the end without stopping.

Option C: Incorrect. Breakpoints can be conditional, so they do not always stop the process unconditionally.

Option D: Incorrect. The process will stop at the breakpoint if the 'Request Type' value equals 'New Card', not if it does not equal 'New Card'.

Conclusion:

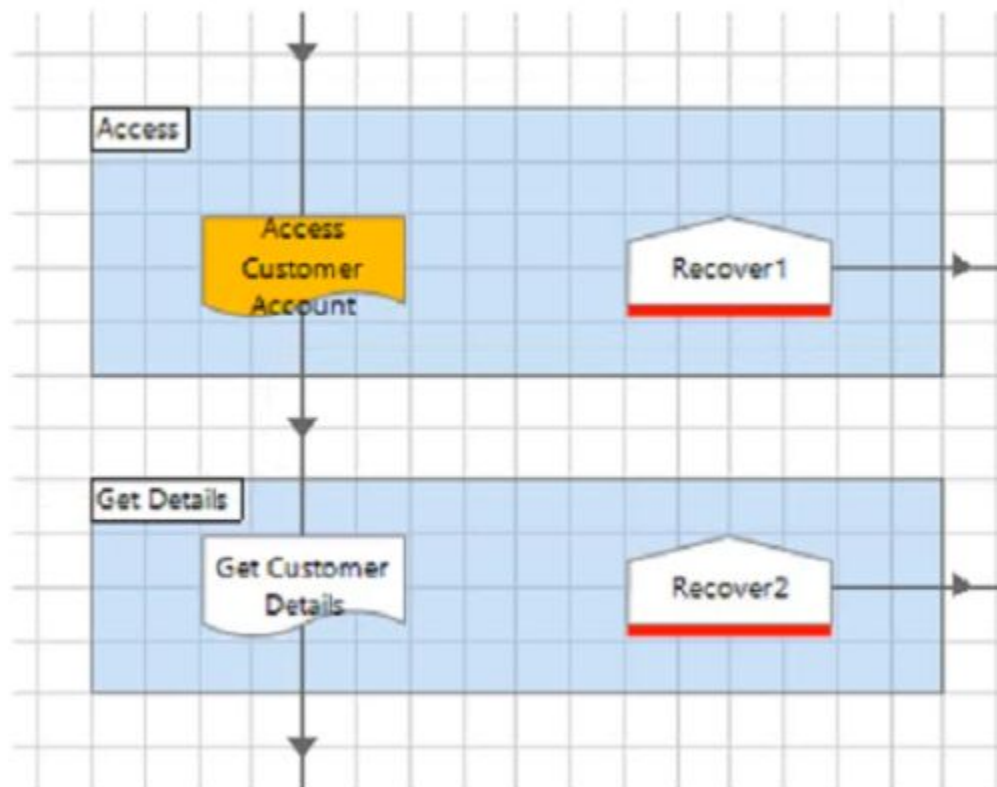
The correct answer is A. If the 'Request Type' value equals 'New Card', then the process will stop at the breakpoint on the 'Process Request' stage.

Blue Prism Developer Documentation: Debugging and Breakpoints

Blue Prism Training Material on Conditional Breakpoints

#### QUESTION 21

Examine the following diagram which has been extracted from a Blue Prism Process currently being tested in Process Studio:



The 'Access Customer Account\*' sub-page contains no Breakpoints, however the page does contain an error.

What will happen if you choose to Step Over (F10) when debugging the Process?

- A. The Process will work all stages in the 'Access Customer Account' Page until the exception is thrown and then focus will move to the stage containing the error on the 'Access Customer Account' page
- B. The Process will work all stages in the 'Access Customer Account' Page until the exception is thrown and then focus would move to the appropriate recover stage on the 'Access Customer Account' page
- C. The Process will work all stages in the 'Access Customer Account' Page until the exception is thrown and then focus will move to the 'Recover1' stage
- D. The Process will work all stages in the 'Access Customer Account' Page until the exception is thrown and then focus will move to the 'Get Customer Details' stage

**Correct Answer: C**

**Section:**

**Explanation:**

Understanding the Diagram and Process Flow:

The process includes a sub-page called 'Access Customer Account', which contains an error.

When debugging, choosing to 'Step Over' (F10) will execute the sub-page without stepping into each individual stage within it.

Exception Handling in Blue Prism:

If an error occurs within the 'Access Customer Account' sub-page, the process will throw an exception. The process will then move to the appropriate Recover stage to handle the exception.

Recover Stage Focus:

Option A: Incorrect. Focus will not move directly to the stage containing the error within the sub-page.

Option B: Incorrect. The process does not move to the internal recover stage of the sub-page if there are no breakpoints.

Option C: Correct. The process will move to the 'Recover1' stage after the exception is thrown, as it is the appropriate recover stage for handling the error.

Option D: Incorrect. Focus will not move to the 'Get Customer Details' stage, as the exception handling logic will direct it to 'Recover1'.

Conclusion:

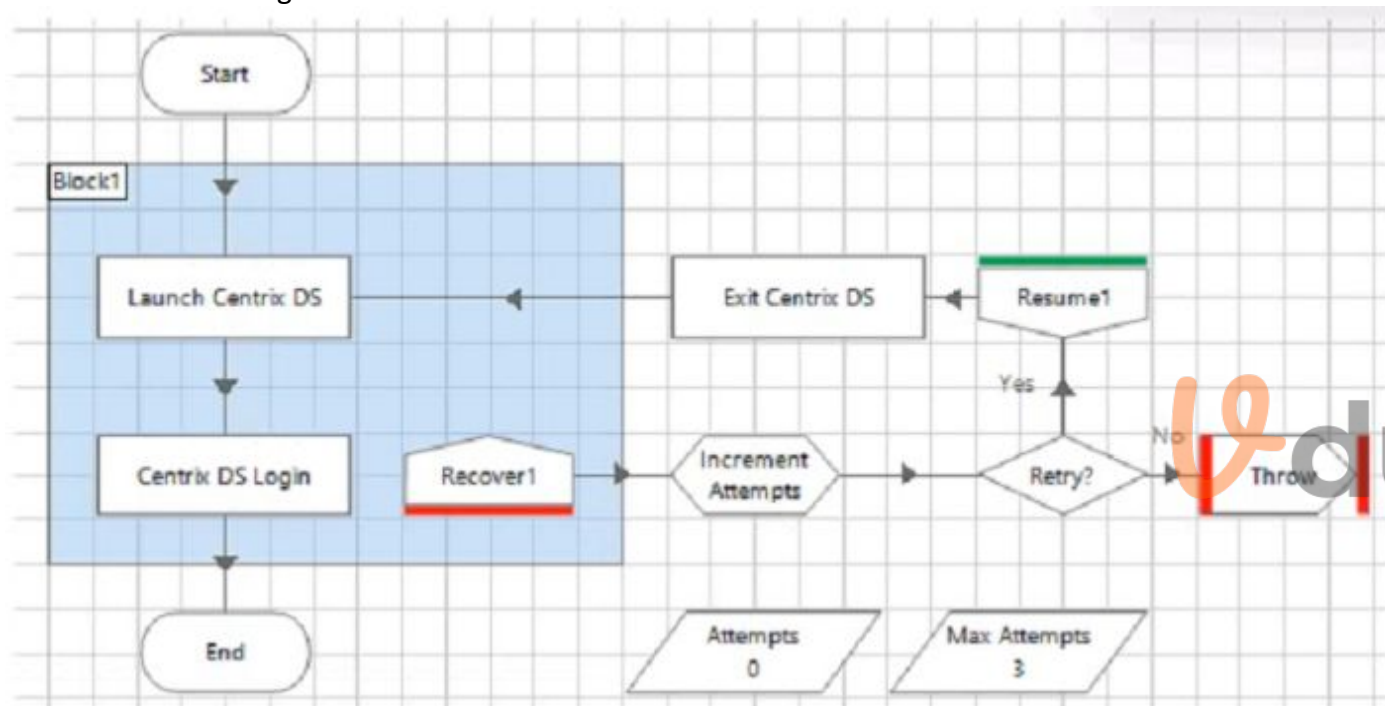
The correct answer is C. The process will work all stages in the 'Access Customer Account' page until the exception is thrown, and then focus will move to the 'Recover1' stage.

Blue Prism Developer Documentation: Exception Handling and Recovery Stages

Blue Prism Training Material on Debugging and Exception Management

## QUESTION 22

Examine the following Blue Prism Process flow:



The Process is intended to attempt to perform the processing enclosed in Block1 a maximum of three times before throwing an exception

The 'Attempts' data item is a number data item with an initial value of 0.

The 'Max Attempts' data item is a number data item with an initial value of 3.

The 'Increment Attempts' Calculation stage increases the value of the 'Attempts' data item by 1.

To enable this to work correctly, what is the correction Expression for the 'Increment Attempts' Calculation stage?

- A. +1
- B. Attempts +1
- C. Max Attempts + 1
- D. {Attempts + 1
- E. [Attempts) + 1

**Correct Answer: E**

**Section:**

**Explanation:**

Understanding the Process Flow:

The process is designed to attempt the actions within Block1 up to three times before throwing an exception.

The 'Attempts' data item starts at 0 and is incremented by 1 each time the Increment Attempts Calculation stage is executed.

The 'Max Attempts' data item is set to 3, which represents the maximum number of allowed attempts.

Calculation Stage Expression:

The correct expression for incrementing the 'Attempts' data item should add 1 to the current value of 'Attempts'.

In Blue Prism, data items are referenced using square brackets. Therefore, the correct expression should be [Attempts] + 1.

Analysis of Options:

Option A: +1 is incomplete and not correct.

Option B: Attempts +1 is incorrect because it lacks the proper referencing syntax.

Option C: Max Attempts + 1 is incorrect because it references the wrong data item and will result in the incorrect calculation.

Option D: {Attempts} + 1 is incorrect due to syntax issues.

Option E: [Attempts] + 1 is the correct expression, using proper syntax to reference the 'Attempts' data item.

Conclusion:

The correct expression for the 'Increment Attempts' Calculation stage is E. [Attempts] + 1.

Blue Prism Developer Documentation: Calculation Stages

Blue Prism Training Material on Data Item Reference

### QUESTION 23

Which of the following indicates a case in a Work Queue is currently being processed?

A



B



C



D



A. Option A

B. Option B

C. Option C

D. Option D

**Correct Answer: C**

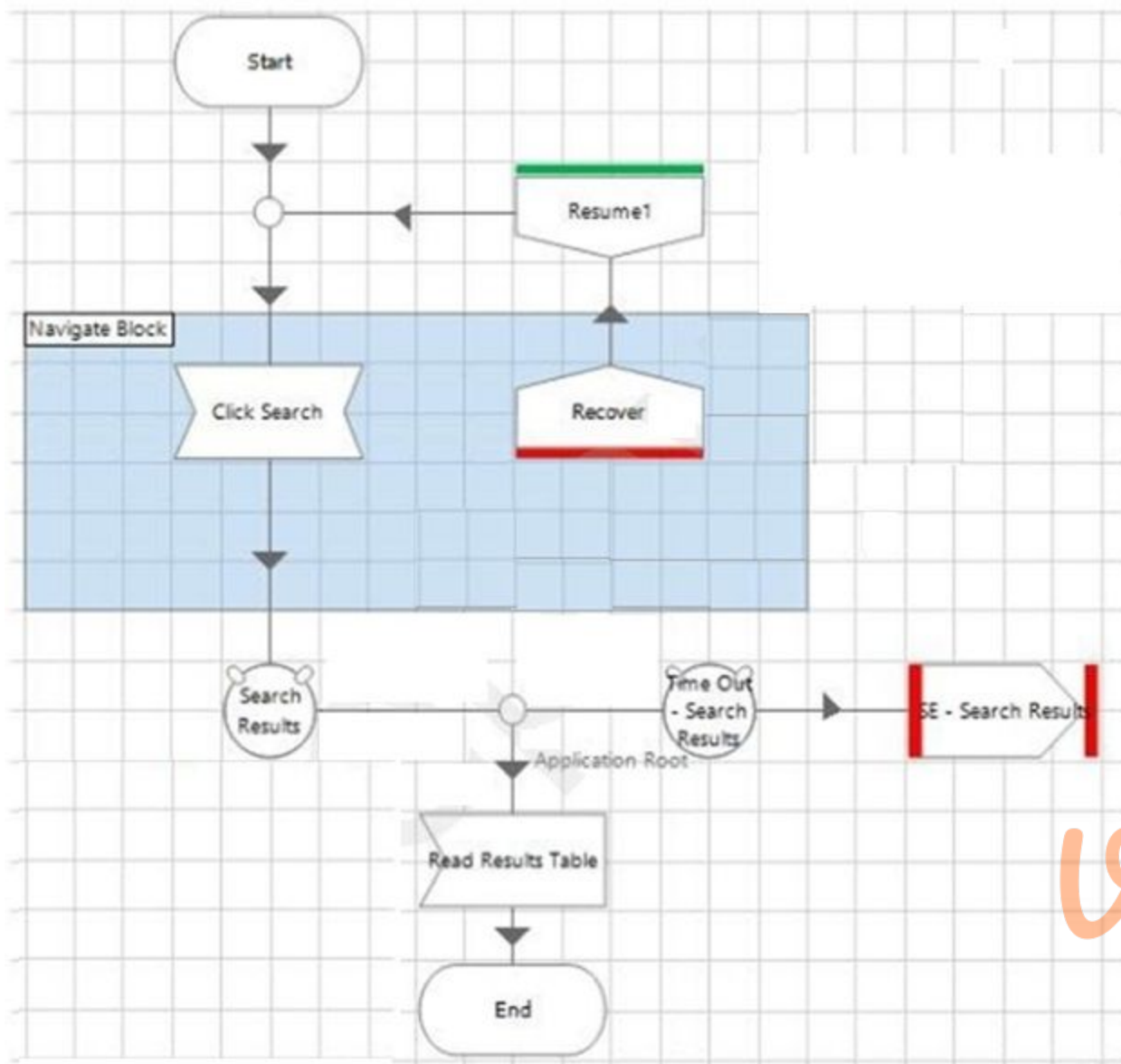
**Section:**

### QUESTION 24

Examine the following Blue Prism Action diagram taken from Object Studio:







 dumps

What is wrong with the current configuration?

- A. The current configuration risks creating an infinite loop.
- B. The current configuration is missing an intelligent Wait stage after the 'Read Result Table' stage, to ensure the Action logic has worked correctly.
- C. There is nothing wrong with the current configuration.
- D. The Exception Block should be removed from the page so that all exceptions on that page can be recovered.

**Correct Answer: A**

**Section:**

**QUESTION 25**

A Blue Prism solution works fine when developing and testing it in Process and Object Studio, but when it is run in Control Room, exceptions occur because elements are not being found. What is the most likely cause of this behaviour?

- A. The target application has changed in design
- B. Intelligent Wait stages have not been used in line with Blue Prism best practices within Business Object Actions
- C. The Business Object Action has not been published, therefore, it cannot be used by a Process in Control Room.
- D. Exception handling best practice has not been incorporated into the Process design

**Correct Answer: B**

**Section:**

**QUESTION 26**

Which of the statements below best describes what Blue Prism is used for?

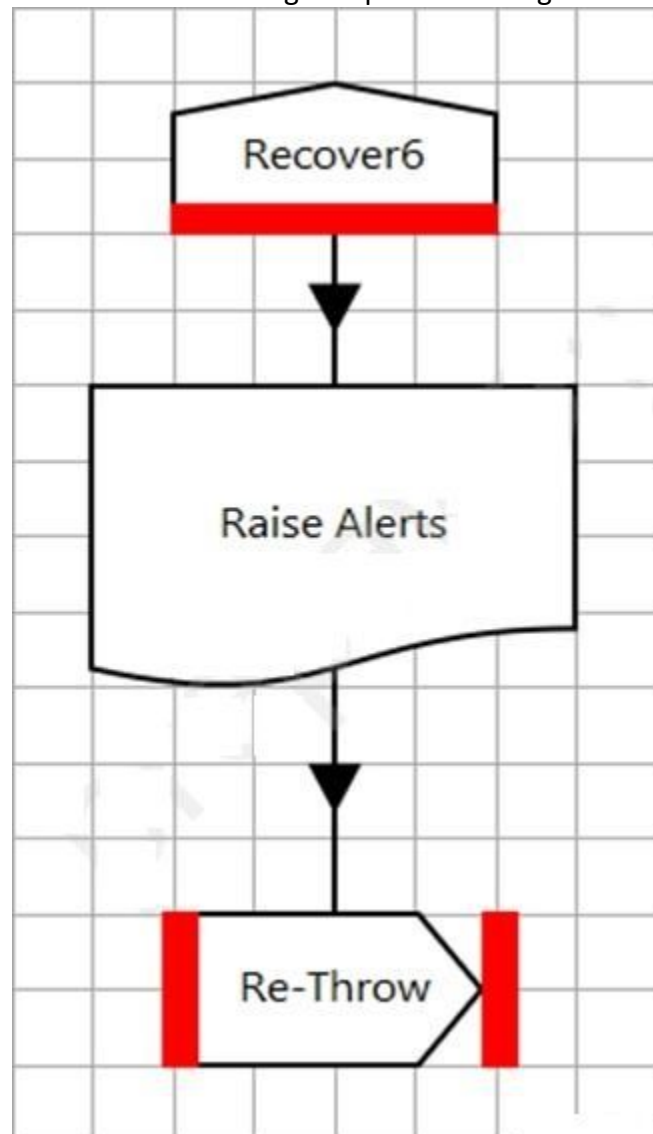
- A. Blue Prism is used for modelling business processes
- B. Blue Prism is used to link core business applications together
- C. Blue Prism is used to create Virtual Digital Workers that can replicate user actions and decisions
- D. Blue Prism is used to transfer data from one system to another

**Correct Answer: C**

**Section:**

**QUESTION 27**

Examine the following Exception handling taken from the Main Page of a Blue Prism Process:



Consider the following potential explanations as to what is wrong with the design:

1. The exception handling is not within an Exception Block.
2. There is no Resume stage in the shown process flow.
3. There is a potential for the flow to cause an infinite loop within the process.



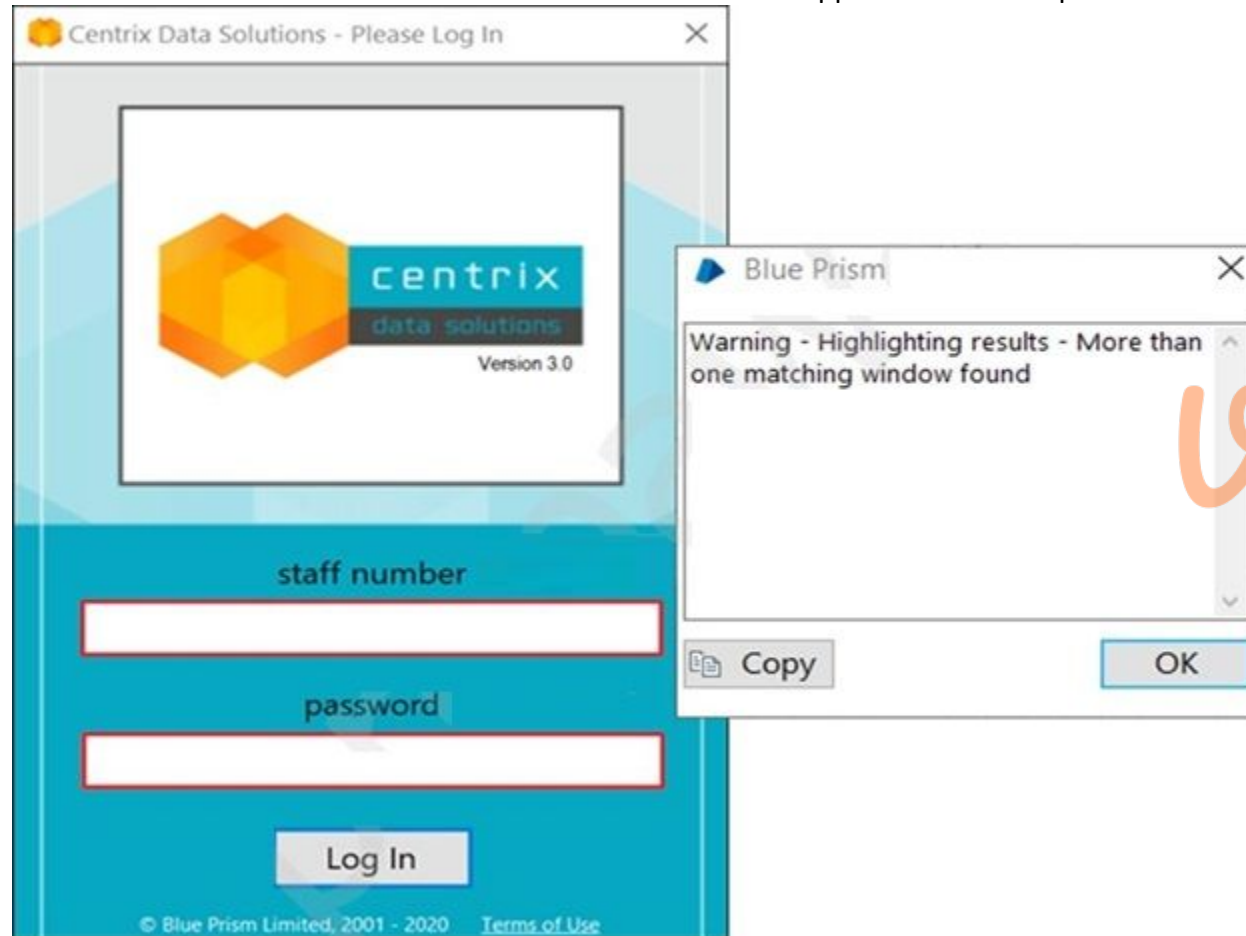
4. Because the flow is on the Main Page of the process there should not be a 'Re-Throw' Exception stage as there are no parent/calling pages for the exception to 'bubble up' to. Which of the above appropriately describes what is wrong with this design?

- A. 1,2, 3 and 4
- B. 3 only
- C. 4 only
- D. 2 and 4

**Correct Answer: C**  
**Section:**

**QUESTION 28**

The staff number field of the Centrix Data Solutions business application can be spied successfully, however when using the Highlight feature in Application Modeller, the following behaviour is encountered:



Which of the following Attributes would you use to help obtain a unique element match?

- A. Parent Class Name
- B. Parent Ordinal
- C. Class Name
- D. Ordinal
- E. XandY

**Correct Answer: D**  
**Section:**

**QUESTION 29**

An Action called 'Get Customer Address' fails immediately and the following Exception is raised:

Internal: Stage Address Type does not exist

What is the potential reason for this Exception?

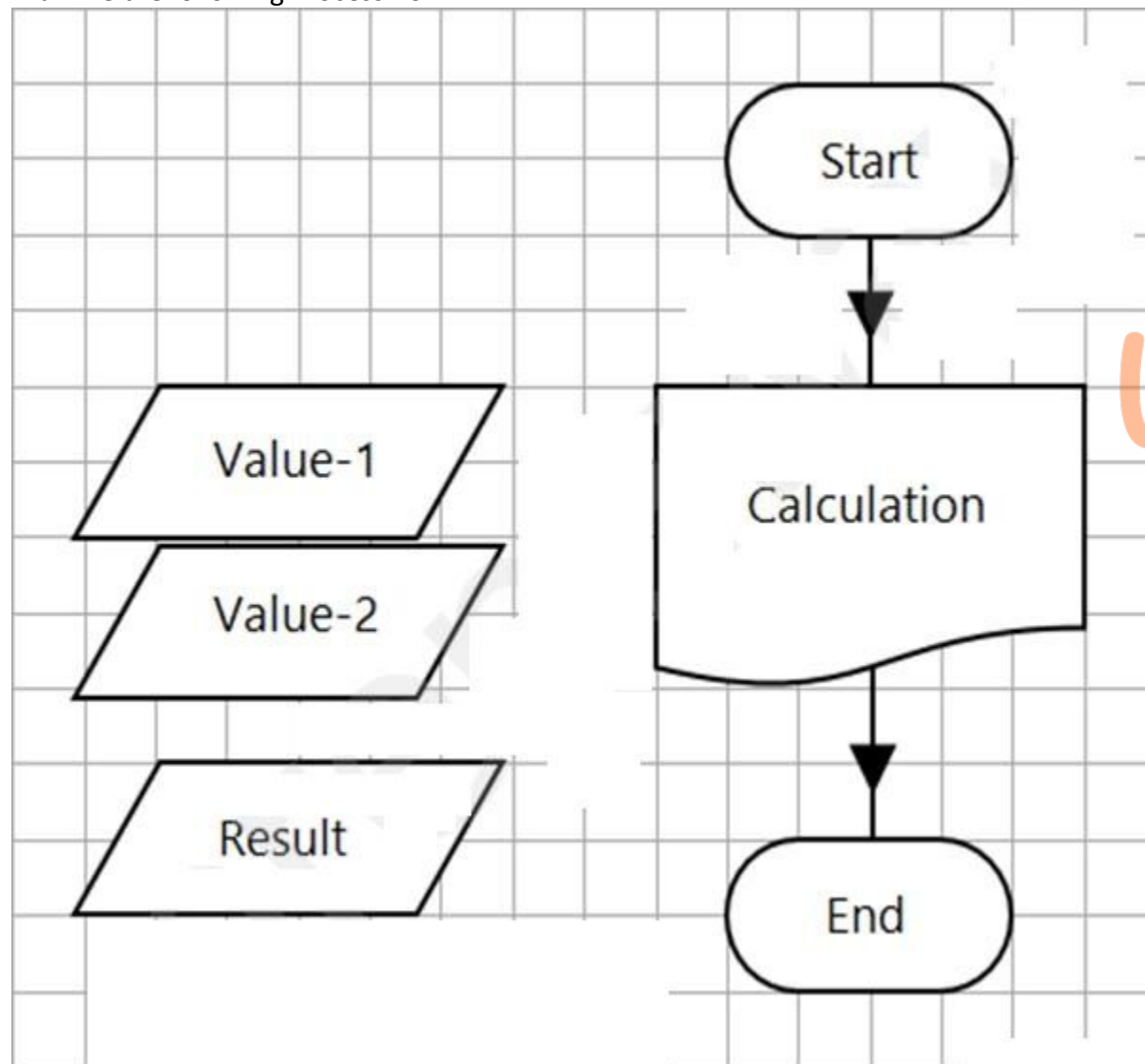
- A. An Action stage with the name 'Address Type' is being referenced but it no longer exists
- B. An internal error always indicates a problem with the Blue Prism product. The Blue Prism support team should be contacted for assistance
- C. A data item referenced as an input parameter in the 'Get Customer Address' Action cannot be found
- D. Whilst debugging a Process in Process Studio, the 'Reset' button was pressed whilst the process was calling the 'Get Customer Address' action

**Correct Answer: C**

**Section:**

### QUESTION 30

Examine the following Process flow:



This is the Main Page of a simple process which calls the 'Calculation' Page before completing.

The data items are configured as follows:

Value-1 is a number data item with an initial value of 100.

Value-2 is a number data item with an initial value of 4.

Result is a number data item with no initial value.

The Calculation Page Reference stage is configured as follows:

Page Reference Properties

Name: Calculation

Description:

Page: Calculation

Inputs Outputs Conditions

Name	Data Type	Value
Value-1	Number	[Handle]
Value-2	Number	[Handle]

Page Reference Properties

Name: Calculation

Description:

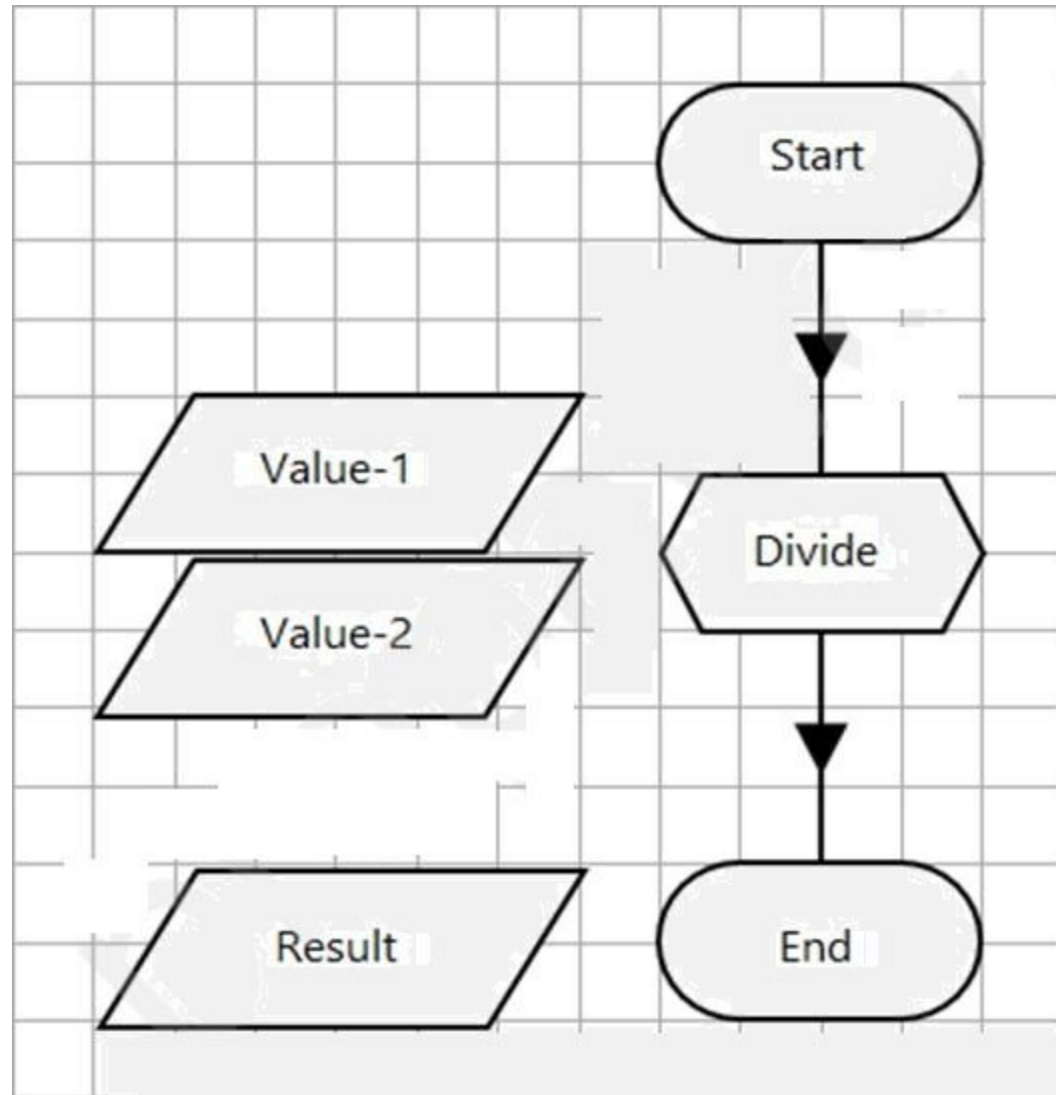
Page: Calculation

Inputs Outputs Conditions

Name	Data Type	Store in
Result	Number	Result

The Calculation Page is configured as follows:





The Data Items are configured as follow:

Value-1 is a Number data item with an initial value of 200

Value-2 is a Number data item with an initial value of 4

Result is a Number data item with no initial value

The Start stage is configured to pass through the Value-1 and Value-2 values as input parameters.

The 'Divide' Calculation stage expression is  $[Value-1] / [Value-2]$

The End stage is configured to pass back the value of the Result data item as an output parameter.

What will be contained in the Result data item on the Main Page following the execution of the Process?

- A. 25
- B. 0
- C. 50
- D. 37.5

**Correct Answer: B**

**Section:**

**QUESTION 31**

Which area of Blue Prism would you find application logic and rules?

- A. Application Modeller

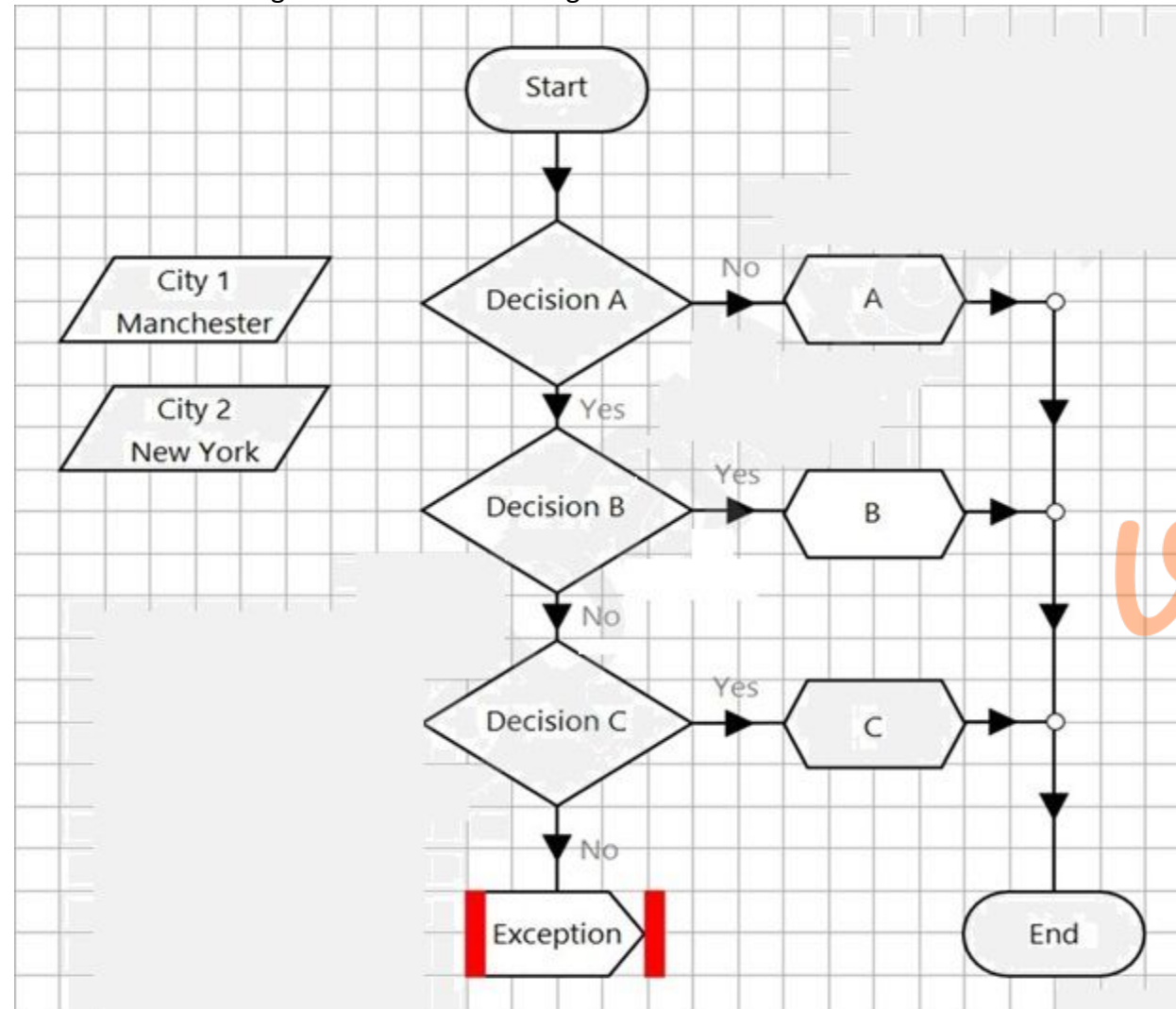
- B. Object Studio
- C. Process Studio
- D. Application Logic area of System Manager

**Correct Answer: A**

**Section:**

**QUESTION 32**

Examine the following Blue Prism Process diagram:



The initial values for the 2 data items are displayed in the diagram above.

The expression in 'Decision A' is:

`Len([City 1]) > Len([City 2])`

The expression in 'Decision B' is:

`Mid([City2].3,1) = ""`

The expression in 'Decision C' is:

`Left([City 1], 5) = 'manch' AND EndsWith([City 2], 'York')`

What will happen when the process flow executes?

- A. The diagram will flow through the Calculation stage named 'A'
- B. The diagram will flow through the Calculation stage named 'B'
- C. The diagram will flow to the Exception stage which will raise a new exception

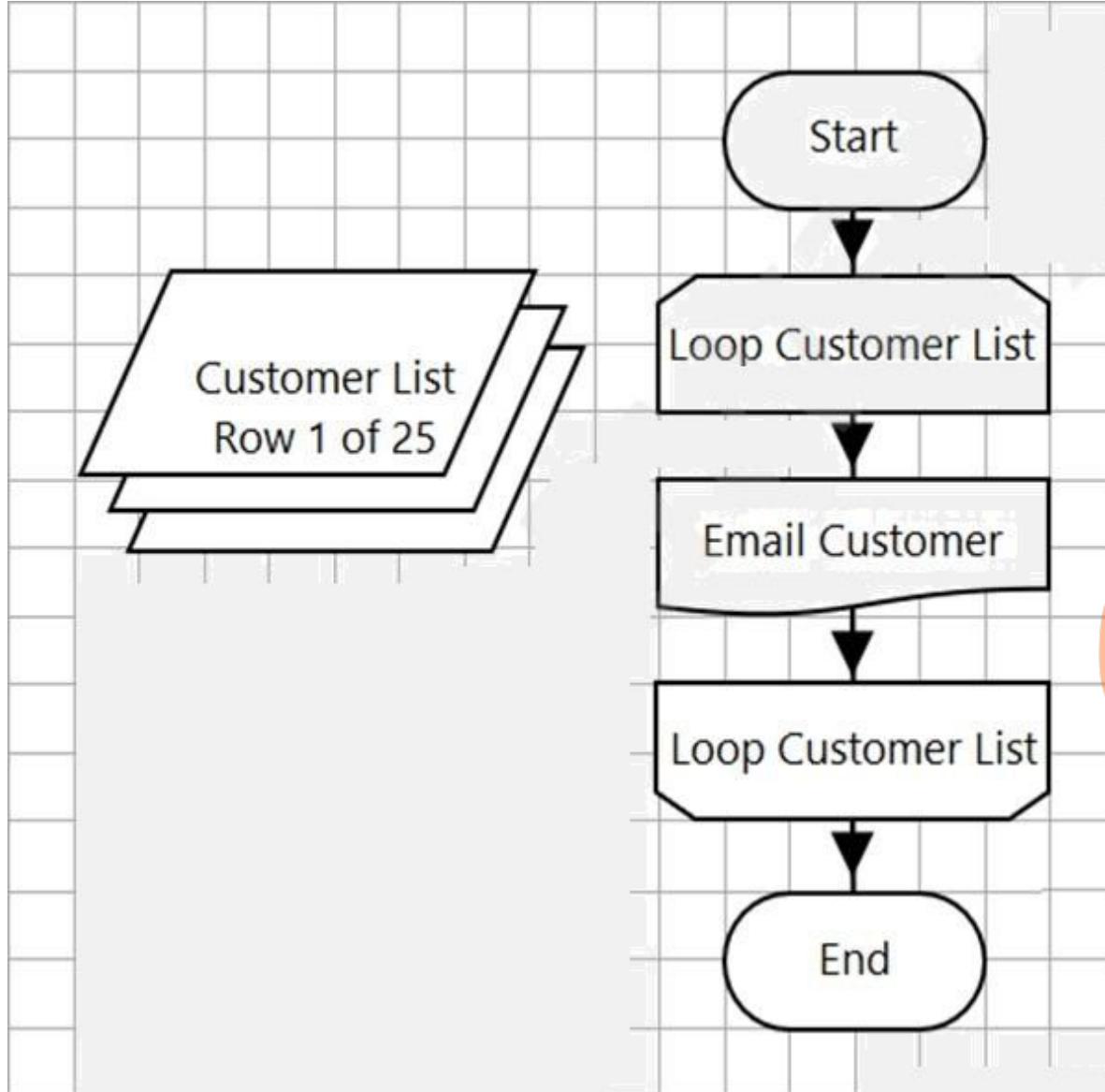
D. The diagram will flow through the Calculation stage named 'C

**Correct Answer: D**

**Section:**

**QUESTION 33**

Examine the following Process flow:



The 'Loop Customer List' loop is configured to loop through the 'Customer List' Collection. Any Exceptions Encountered on the 'Email Customers' sub-page will be resolved in the same page. How many times will the 'Email Customer' sub-page be executed?

- A. It's impossible to say without viewing the 'Email Customer' sub-page
- B. The loop will be infinite
- C. 0
- D. 25
- E. 1

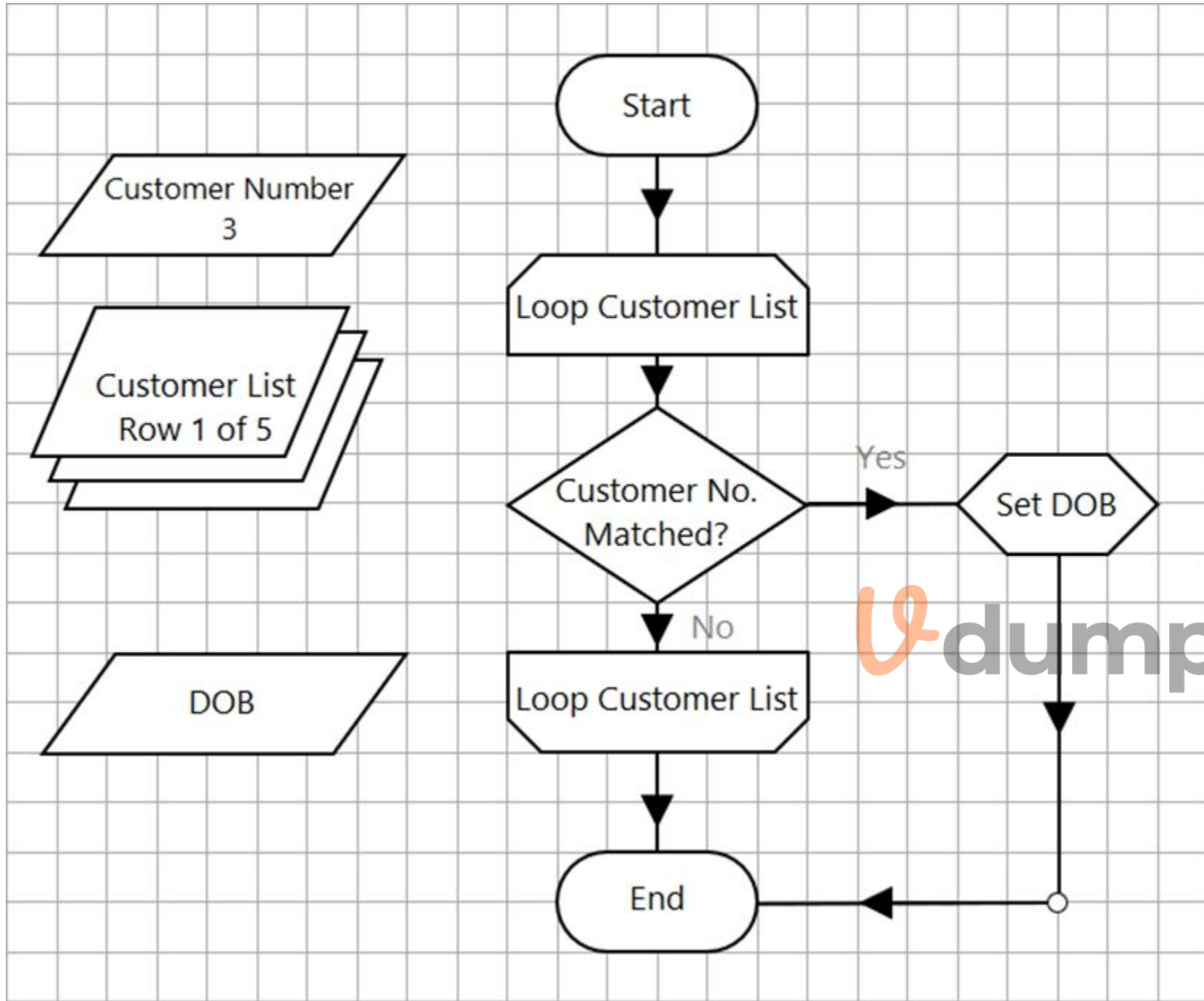
**Correct Answer: E**

**Section:**



**QUESTION 34**

Review the Action flow below which loops through the Customer List Collection until the relevant customer match is found, and then uses the 'Set DOB' Calculation stage to copy the value from the Collection column 'DOB', to the DOB data item:



Collection Properties

Name: Customer List

Description:

Fields	Initial Values	Current Values	
Customer Number (Text)	First Name (Text)	Last Name (Text)	DOB (Date)
1	Jack	Sparrow	01/01/1960
2	Rachel	Weathers	25/05/1973
3	Jake	Robinson	15/12/1969
4	Angela	Freeman	19/12/1980
5	Morgan	Ramsey	26/02/2000

- The DOB data item is a Date data item with no initial value.

- The DOB column in the Customer List Collection is a Date data type.

What expression would you use in the 'Set DOB' Calculation stage, to copy the value from the Collection column, to the DOB data item?  
(Remember, Blue Prism expressions are case sensitive)



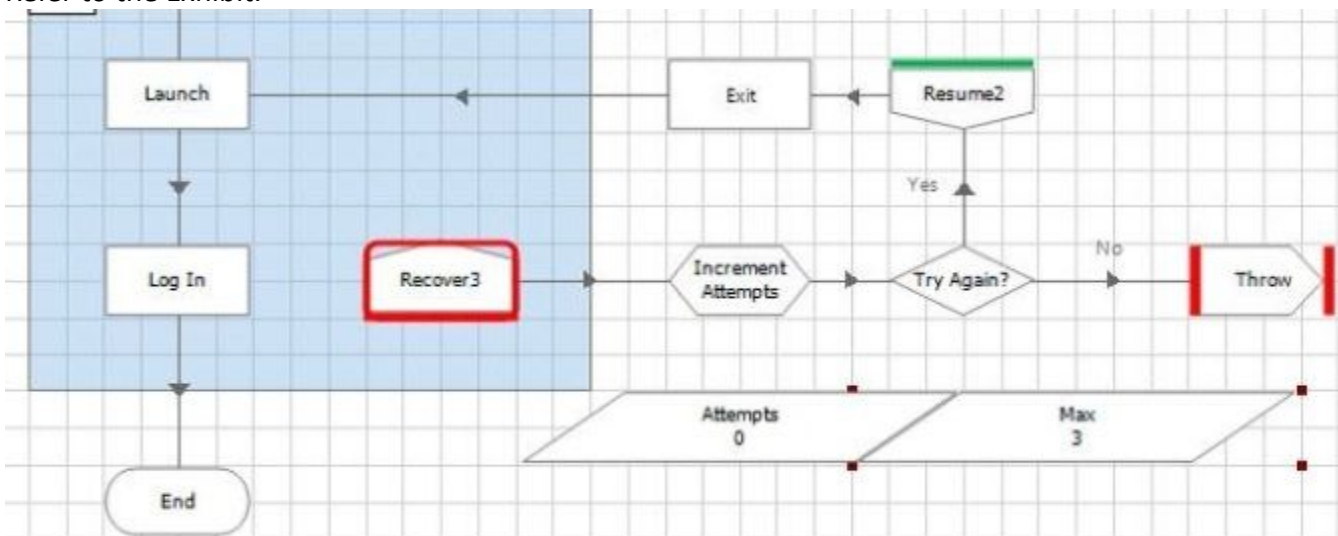
A.

**Correct Answer: A**

**Section:**

**QUESTION 35**

Refer to the Exhibit.



The Process is intended to attempt to perform the processing in the recover block, Block 3. a maximum of three times before throwing an exception.

Data Item 'Attempts' is a number data item with an initial value of 0

Data Item 'Max Attempts' is a number data item with an initial value of 3

The 'Increment Attempts' calculation stage add 1 to the attempts value and outputs a result to the 'Attempts' data item  
To enable this to work correctly, what is the correct expressions for the Try Again' decision stage?

- A. [Attempts] < [Max]
- B. [Attempts] > [Max]
- C. [Attempts] = [Max]
- D. [Attempts] + 1

**Correct Answer: A**

**Section:**

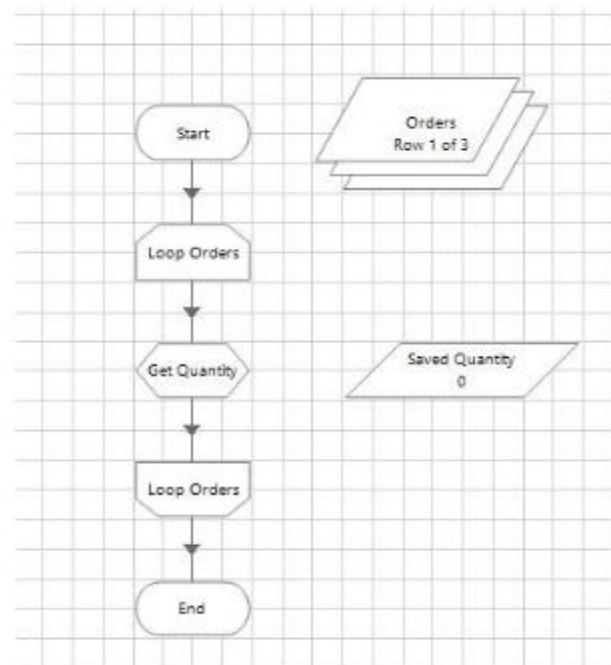
**Explanation:**

This expression will evaluate to true as long as the number of attempts is less than the maximum number of attempts, which means the process will try again. If the expression is false, it means the number of attempts has reached or exceeded the maximum number of attempts, which means the process will throw an exception.

Reference: <https://portal.blueprism.com/sites/default/files/2020-06/Blue%20Prism%20Certification%20-%20Developer.pdf> (page 2)

### QUESTION 36

Examine the following process flow:



The Orders Collection contains the following data

Fields	Initial Values	Current Values
Order Number (Text)		Quantity (Number)
1001		4
1002		5
1003		10

The Saved Quantity Data Item is configured as a number with the initial value 0.

The Loop Orders stage is configured to loop through the Orders collection.

The Get Quantity stage is configured as follows:



What will the data item Saved Quantity contain after the execution of the page?

- A. 4
- B. 5
- C. 1
- D. 19



**Correct Answer: D**

**Section:**

**Explanation:**

The Saved Quantity data item will contain the sum of all the Quantity values in the Orders collection after the loop. The loop will iterate through each row of the collection and add the value of Quantity to the Saved Quantity data item using a calculation stage. The initial value of Saved Quantity is 0, and after adding each row's Quantity, it will become 19 (0 + 4 + 5 + 1 + 9).

Reference: <https://portal.blueprism.com/sites/default/files/2020-06/Blue%20Prism%20Certification%20-%20Developer.pdf> (page 2)

### QUESTION 37

How many Start Stages can a sub-page in a Process have?

- A. 0
- B. 1
- C. 2
- D. Any Number

**Correct Answer: B**

**Section:**

**Explanation:**

A sub-page in a process can have only one start stage, which is where the execution begins when the sub-page is called from another page. A sub-page cannot have zero or more than one start stages, as that would cause ambiguity or confusion in the execution flow.

Reference: <https://portal.blueprism.com/sites/default/files/2020-06/Blue%20Prism%20Certification%20-%20Developer.pdf> (page 2)

### QUESTION 38

The data item 'Loop Counter' is a number data item and has an initial value of 0. The data item 'Max Loops' is a number data item and has an initial value of 10. The two stages are configured as follows:

The image shows two configuration panels for workflow stages. The top panel is titled 'Decision Properties' and has a name 'Loop Again?'. Its expression field contains the formula `[Loop Counter] < [Max Loops]`. Below the expression field are buttons for 'Validate' and 'Evaluate Expression'. The bottom panel is titled 'Calculation Properties' and has a name 'Increment Loop Counter'. Its expression field contains the formula `[Loop Counter]`. Below the expression field are buttons for 'Validate', 'Evaluate Expression', and 'Store Result In', with a dropdown menu showing 'Loop Counter' selected.

Vdumps

How many times will the Loop Again stage be executed when the page is executed?

- A. 10
- B. 9
- C. 11
- D. The loop will be infinite

**Correct Answer: C**

**Section:**

**Explanation:**

The Loop Again stage will be executed 11 times when the page is executed. The loop counter data item starts with a value of 0, and each time the loop again stage is executed, it increments by 1 using a calculation stage. The loop will continue until the loop counter value is equal to or greater than the max loops value, which is 10. Therefore, the loop again stage will be executed once for each value of loop counter from 0 to 10, which is 11 times in total.

Reference: <https://portal.blueprism.com/sites/default/files/2020-06/Blue%20Prism%20Certification%20-%20Developer.pdf> (page 2)

**QUESTION 39**

What will be the outcome after the page has run?

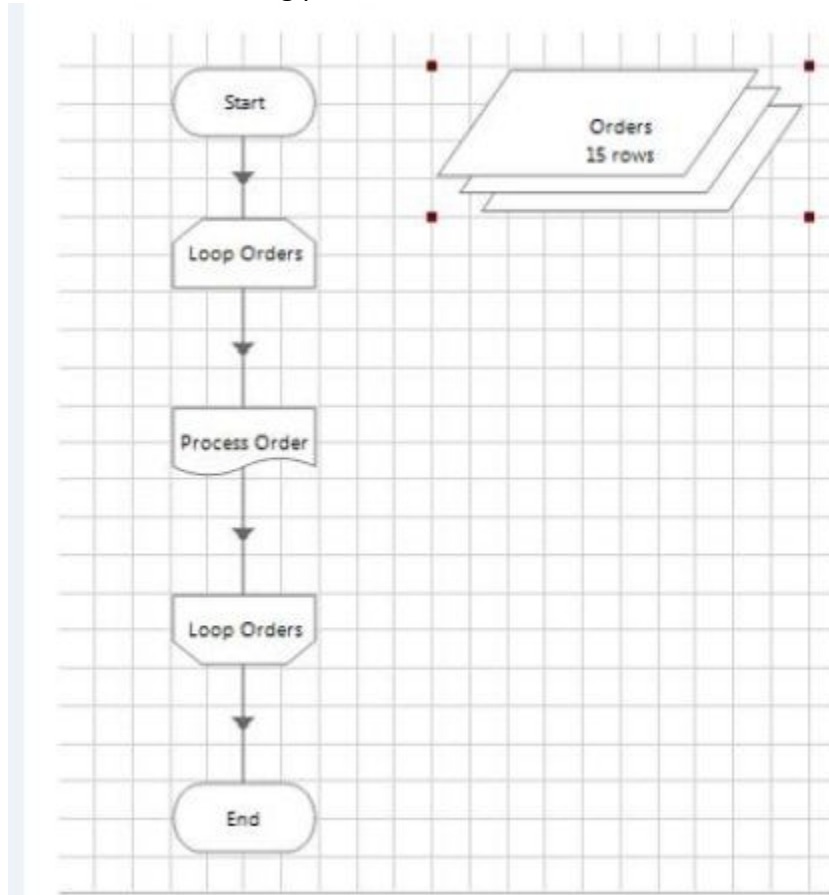
- A. Data Item Output Value contains A
- B. Data Item Output Value contains B
- C. Data Item Output Value contains C
- D. An Internal Exception will be thrown

**Correct Answer: D**

**Section:**

**QUESTION 40**

Examine the following process flow:



The Loop Orders loop is configured to loop through the Orders collection. How Many times will the 'Process Order' page be executed?

- A. 1
- B. 15
- C. The loop will be infinite
- D. It's impossible to tell. There is no loop counter.

**Correct Answer: B**

**Section:**

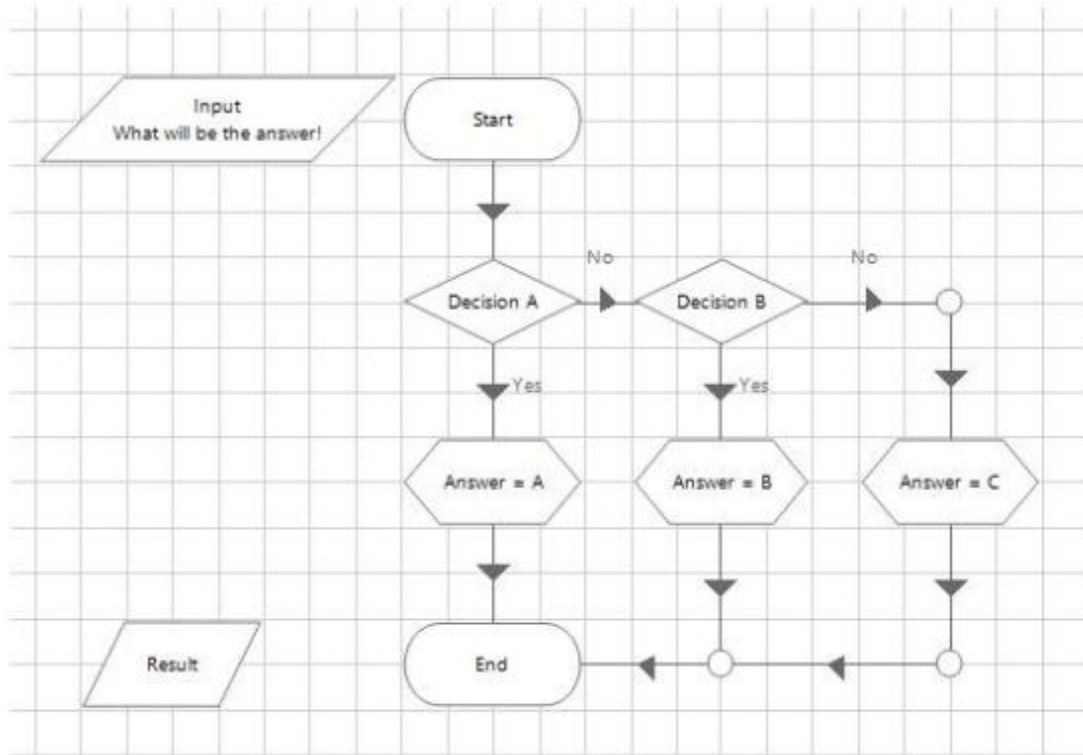
**Explanation:**

Loop Orders is configuring to the Orders collection and as per the diagram in the order collection there are 15 rows so the loop is run till 15 times and the process order page will executed 15 times.

 **vdumps**

#### QUESTION 41

Study the following page in a process:



#### Decision Properties

Name: Decision B

Description:

#### Expression

```
Len(Trim([Input])>20
```

Calculation stages will write A, B or C to the Output value data item.  
What will be the outcome after the page has run?

- A. Data Item Output Value contains 'A'
- B. Data Item Output Value contains 'B'
- C. Data Item Output Value contains 'C'
- D. An Internal Exception will be thrown

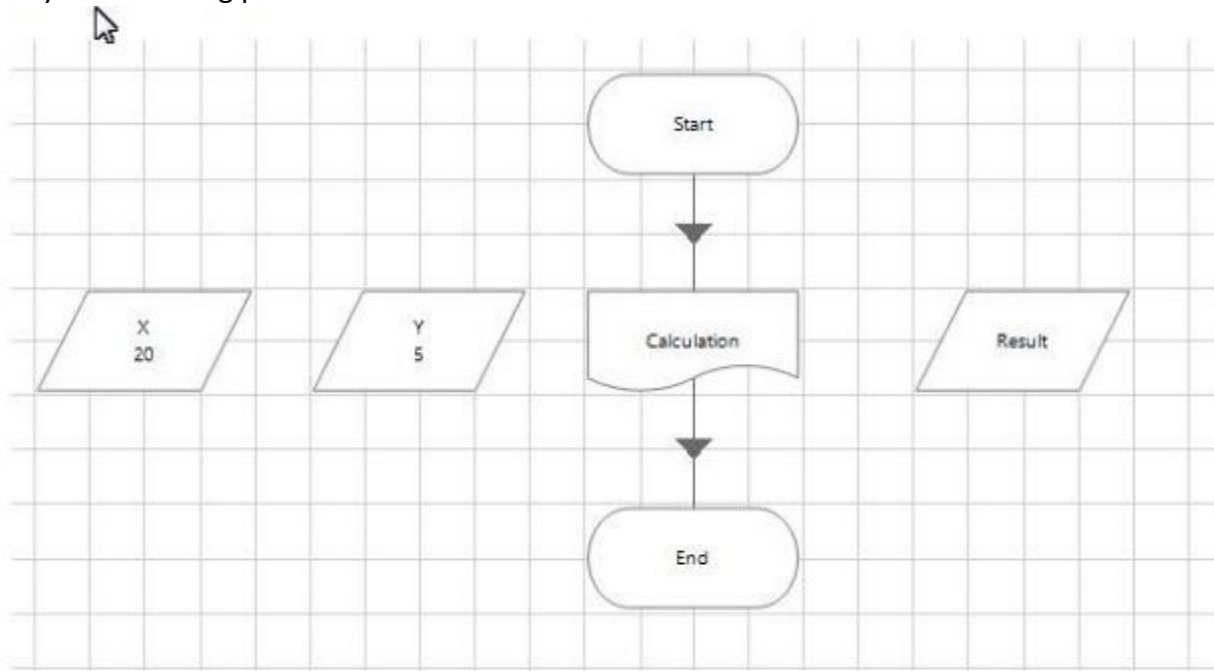
**Correct Answer: D**

**Section:**

#### QUESTION 42



Study the following process flow:



This is the Mam Page of a simple process which calls the Page Calculation before completing The data items are configured as follows:

\* X is a Number data item with an initial value of 20

\* Y is a Number data item with an initial value of 5

\* Result is a Number data item with no initial value

The Calculation Page stage is configured as follows:

Page Reference Properties

Name: Calculation

Description:

Page: Calculation

Inputs Outputs Conditions

Name	Data Type	Value
X	Number	
Y	Number	

Page Reference Properties

Name: Calculation

Description:

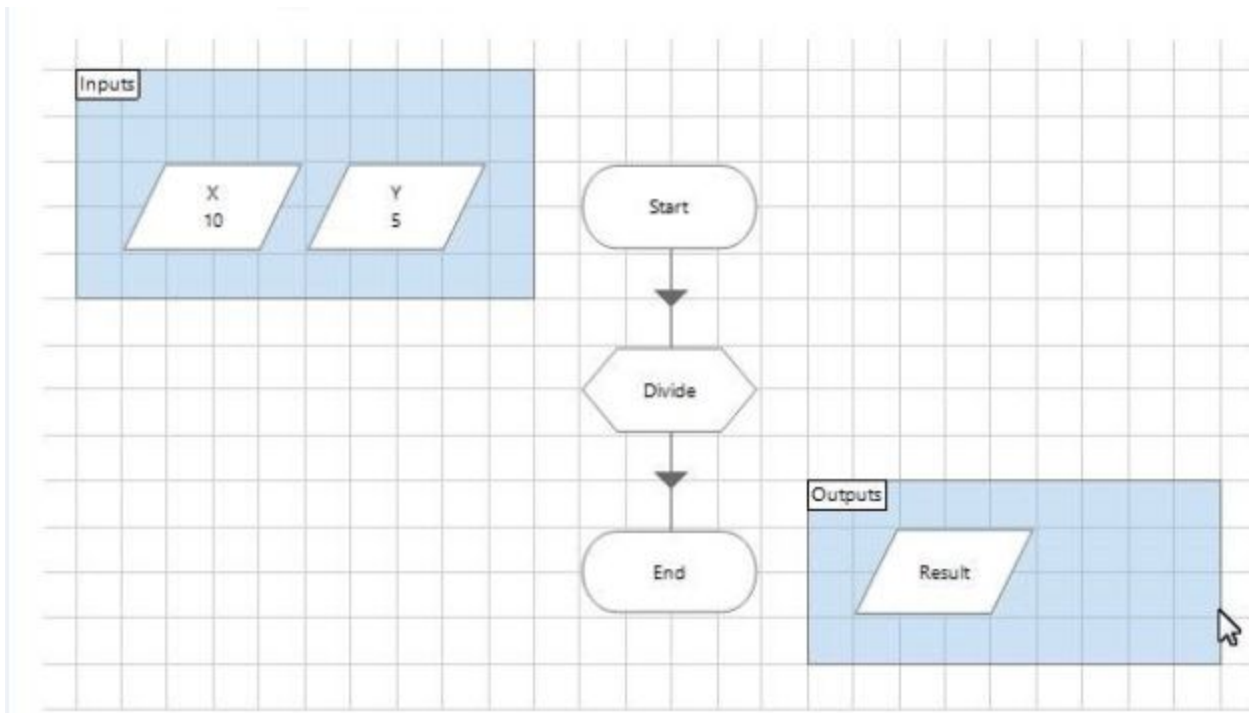
Page: Calculation

Inputs Outputs Conditions

Name	Data Type	Store In
Result	Number	<input checked="" type="checkbox"/> Result

The Calculation Page is as follows:





The Data Items are configured as follow:

- \* X is a Number data item with an initial value of 10
- \* Y is a Number data item with an initial value of 5
- \* Result is a Number data item with no initial value

The Start Stage is configured pass through the X and Y values as input parameters.

The divide calculation stage expression is  $[X] / [Y]$

The end stage is configured to pass back the results value as an output parameter.

What will be contained in the Result Data Item on the Mam Page following the execution of the Process?

- A. 0
- B. No Value
- C. 2
- D. 4

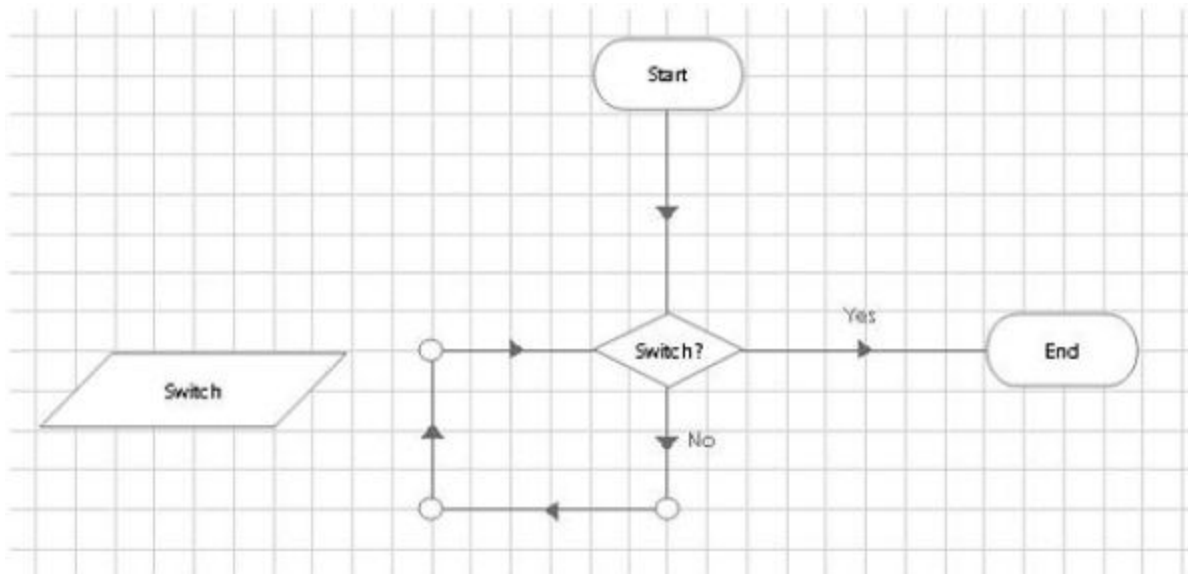
**Correct Answer: D**

**Section:**

**QUESTION 43**

Study the following configuration





Decision Properties

Name: Switch?

Description:

Expression  
[Switch]

Vdumps

Name: Switch

Description:

Data Type: Flag

Initial Value:  True  False

Exposure: Environment - Read the corresponding Environment Variable from System Manager

Current Value:  True  False

Visibility:  Hide from other pages in the process

Initialisation:  Reset to Initial Value whenever this page runs

Flag  
A Flag item can store one of two values: True or False.  
Typically a Flag item may be used to record whether or not a letter was sent to a customer or whether or not a case belongs to a special group of cases.

OK Cancel

**Data Properties**

Name:

Description:

Data Type:

Initial Value:  True  False

Exposure:

Current Value:  True  False

Visibility:  Hide from other pages in the process

Initialisation:  Reset to Initial Value whenever this page runs

**Flag**  
A Flag item can store one of two values: True or False.  
Typically a Flag item may be used to record whether or not a letter was sent to a customer or whether or not a case belongs to a special group of cases.

OK Cancel

**Processes - Environment Variables**

Name	Type	Description	Value
Demo FilePath	Text		C:\Blue Prism Training Setup\Materials\...
Switch	Flag		False

Which of the following statements is correct?

- A. When the configuration is run in Control Room, it will become stuck in an infinite loop
- B. When the configuration is run in Control Room, it will become stuck in an infinite loop until the 'Switch' Session Variable is changed to True in System Manager
- C. When the configuration is run in Control Room, it will become stuck in an infinite loop until the 'Switch' Session Variable is changed to True in the Control Room
- D. When the configuration is run in Control Room, it will fail with an internal error on the first execution of the 'Switch?' stage with the error: Decision did not result in a yes/no

**Correct Answer: C**

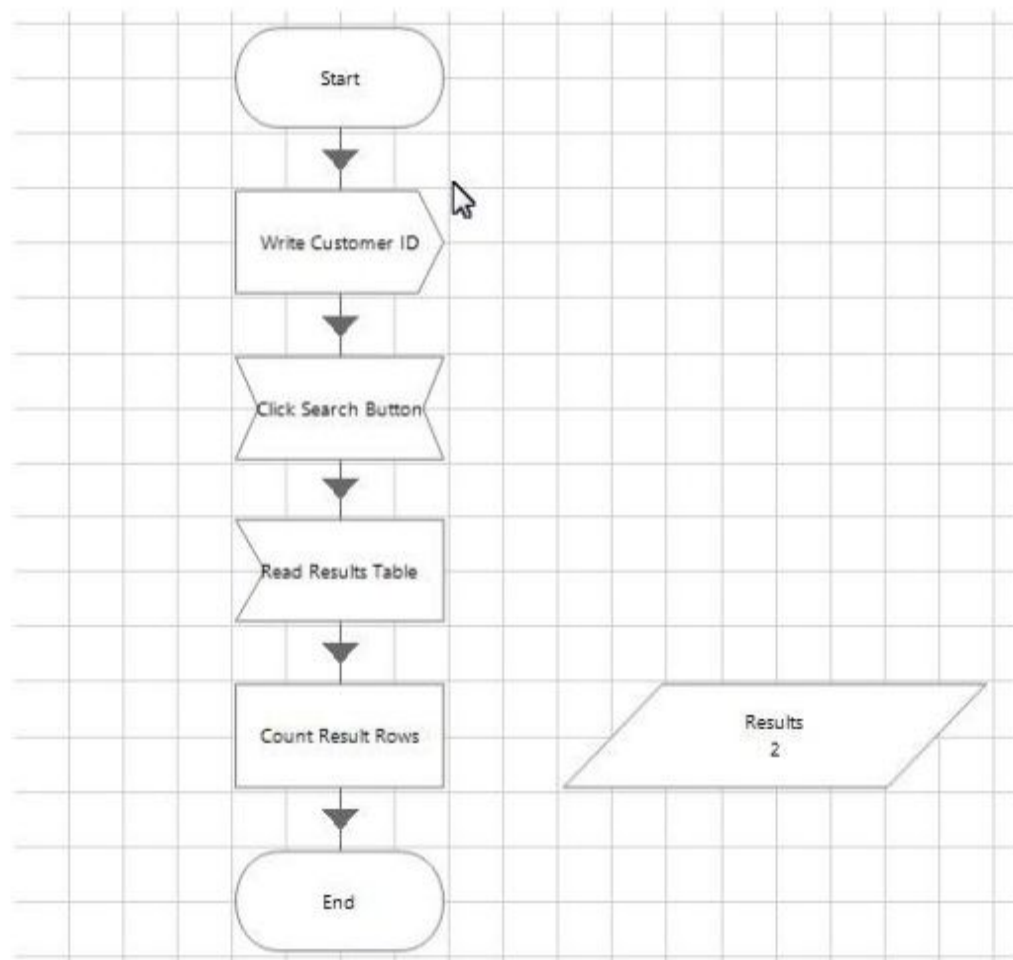
**Section:**

**Explanation:**

Environment variables value will only be change when the next time process runs and the session variables will change immediately on change in control room. Session variables values will only be change from the control room and the env variables is only change from the system manager.

**QUESTION 44**

Consider the following flow in an object:



Which of the following statements are true?

- A. There just needs to be a wait stage after the start stage to correct this action.
- B. There should be a wait stage after every stage in this flow (i.e. after the navigate, read, write stages).
- C. If during testing in object studio this flow works, no additional wait stages should be added as they will slow the interface down.
- D. There should be an intelligent wait stage after the start stage and after any stage that cause the application we are interfacing with to change

**Correct Answer: D**

**Section:**

**Explanation:**

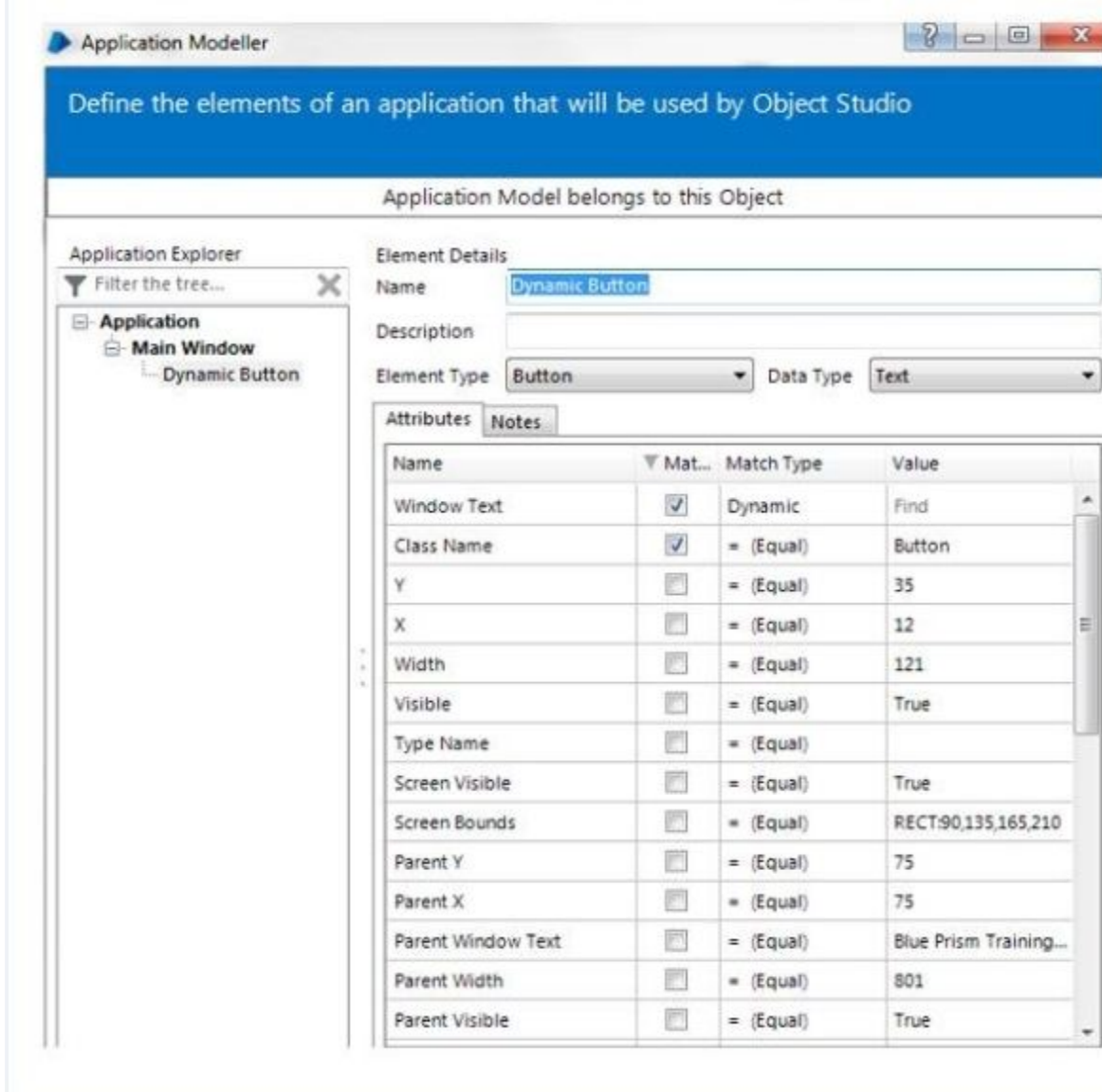
Intelligent wait stage should always be used after every stage and that should be minute wait to overcome the lag when the application runs and on wait should only be used when some of action interfacing the screens or any updating is going on as per the best practices pdf

**QUESTION 45**

A screen contains four buttons, Find, Save, Close and New. When the buttons are spied, the attributes are identical except for the Window Text attribute. The values for the Windows Text attribute are Find' for the Find button. 'Save' for the Save button, Close' for the Close button and New' for the New Button.

The Dynamic Button element has been spied and has the following attributes set:





dumps

What additional configuration is required to ensure the Close button is selected by the Navigate stage?

- A. Set the Mouse Button value to 'Close'
- B. The Params button must be selected and the parameter configured to override the Window Text attribute value to 'Close'
- C. It is not possible to select the Close button using the Dynamic Button element because the value is set to 'Find in the Application Modeller'
- D. A new element is required with the Window Text value set to 'Close and the Match Type set to equal'

**Correct Answer: B**

**Section:**

**Explanation:**

Reason: When passing the values in the Parameter the parameter should be configured with respect to the window text and pass as the value "close" as other attributes are identical we only have window text to make our fingerprint unique.

**QUESTION 46**

You identify an element in Application Modeller but when you highlight or use that element Blue Prism gives you an error message saying that duplicate elements were found. Which of the following statements is true?

- A. It is common for duplicate elements to be found based upon the attributes that are ticked by default using the Blue Prism product. Time needs to be spent experimenting with the attribute ticks until a unique, reliable, and consistent selection of attributes are found.

- B. It will not be possible to interface with the element in a unique way. You will need to use Surface Automation techniques for this element.
- C. A code stage interface will need to be created and used for this application, this will give you more flexibility to interact with the application elements.
- D. You will need to make the attributes you have selected dynamic. This will allow your flow to loop around, incrementing the attribute value until the correct element is found and used.

**Correct Answer: A**

**Section:**

**Explanation:**

Reason: It is common as the duplicate elements we are found by default as the attributes are provided by the application not by the blue prism. how do make our elements unique is not done by practicing and experience. ( This is also mentioned in the Foundation course and as well as in other Pdf too)

**QUESTION 47**

Which of the following statements about Business Objects is true?

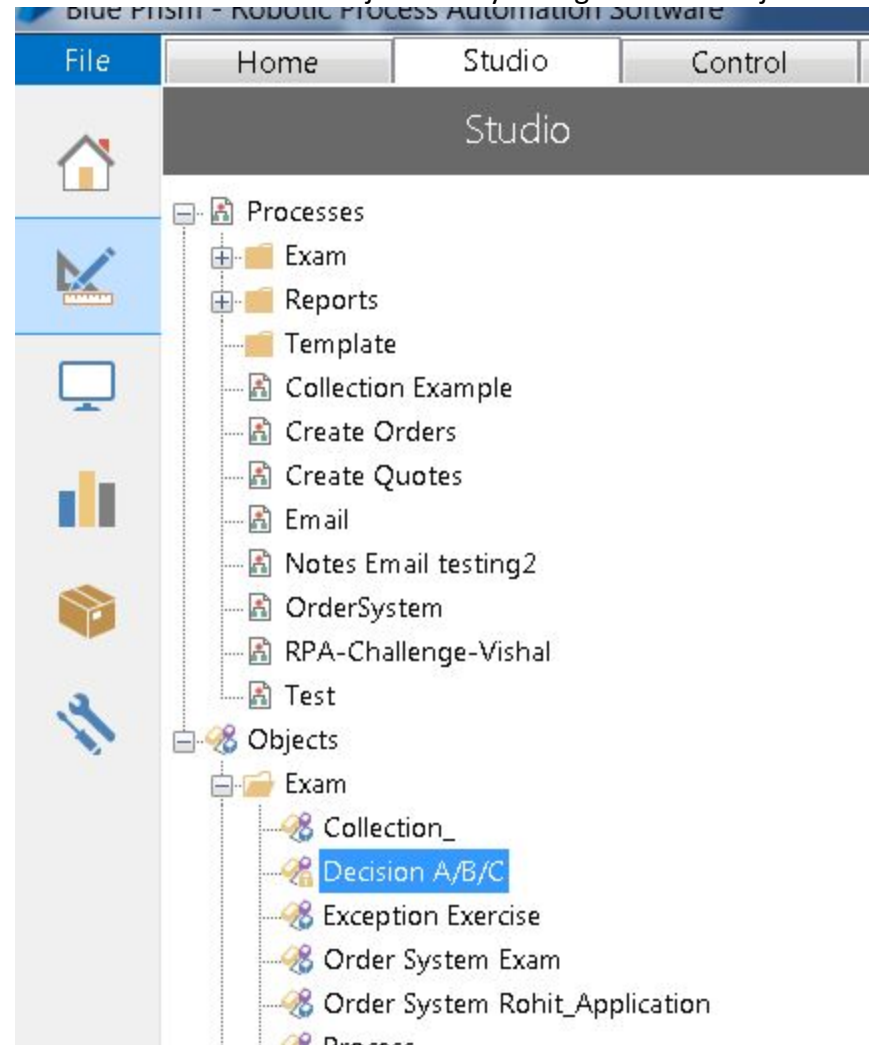
- A. It is Blue Prism best practice to include business rules within Business Objects
- B. A Business Object is configured in the Studio area of Blue Prism
- C. A Business Object can be exposed to Control Room
- D. Logging of individual stages is not configurable in Business Objects

**Correct Answer: B**

**Section:**

**Explanation:**

Reason: As the business object is only configure in the Object studio.



Rest all other reasons are failed.

#### QUESTION 48

A Blue Prism solution works fine when developing and testing it in Process and Object studio but when it is ran in Control Room exceptions occur because of screen elements not being found. What is the most likely cause?

- A. The most likely cause for the errors is that your application has changed.
- B. The most likely cause for the errors seen in Control Room is that best practice use of wait stages has not been followed.
- C. The most likely cause for the errors is that the Object Studio action has not been published and therefore cannot be used by the Process in control room.
- D. The most likely cause for the exceptions is that best practice exception handling has not been incorporated into the Process.

**Correct Answer: B**

**Section:**

**Explanation:**

Reason: This is because when we are running the process in testing and development phase at time the speed of running the process is slow, that's why it ran properly and when we haven't give the proper wait stage and when the process ran in control room the exception occurs as the process ran in full speed so the process is not having the time to wait.

This is mentioned in the Process creation exercise or Lifecycle exercise.

#### QUESTION 49

The Order System application has been successfully launched and Blue Prism has navigated the application to the following screen:



The logo for 'Vdumps' features a stylized orange 'V' followed by the word 'dumps' in a grey, lowercase, sans-serif font.

There is a requirement to ensure this screen is in focus before any further interfacing is done with the screen. Which is the correct configuration to ensure the New Order screen is in focus?

A)

Navigate Properties

Name: Focus

Description:

Application Explorer

Filter the tree...

- Order System
  - Log in Window
  - Staff Number
  - Password
  - Press Sign in
  - Options Windows
    - Option Number
    - Go Button
  - New Order Window
    - Product Code
    - Number Required
    - Unit Price
    - Cost Centre
    - Submit Order
  - Order Conf Window
    - Order Reference
    - Continue

Actions

Element	Params	Action	Inputs S...
Order System	...	Activate Application	No

Move Up Move Down Add Remove

Inputs

Name	Datatype	Value
Path	Text	
CommandLineParams	Text	
WorkingDirectory	Text	

B)



Navigate Properties

Name: Focus

Description:

Application Explorer

- Order System
  - Log in Window
  - Staff Number
  - Password
  - Press Sign in
  - Options Windows
    - Option Number
    - Go Button
  - New Order Window
    - Product Code
    - Number Required
    - Unit Price
    - Cost Centre
    - Submit Order
  - Order Conf Window
    - Order Reference
    - Continue

Actions

Element	Params	Action	Inputs S..
Order System	...	Attach	Yes

Move Up Move Down Add Remove

Inputs

Name	Datatype	Value
Window Titles (as Collection)	Collection	
Window Title	Text	
Process Name	Text	

c)

Vdumps

Navigate Properties

Name: Focus  
Description:

Application Explorer

- Order System
  - Log in Window
  - Staff Number
  - Password
  - Press Sign in
  - Options Windows
    - Option Number
    - Go Button
  - New Order Window
    - Product Code
    - Number Required
    - Unit Price
    - Cost Centre
    - Submit Order
  - Order Conf Window
    - Order Reference
    - Continue

Actions

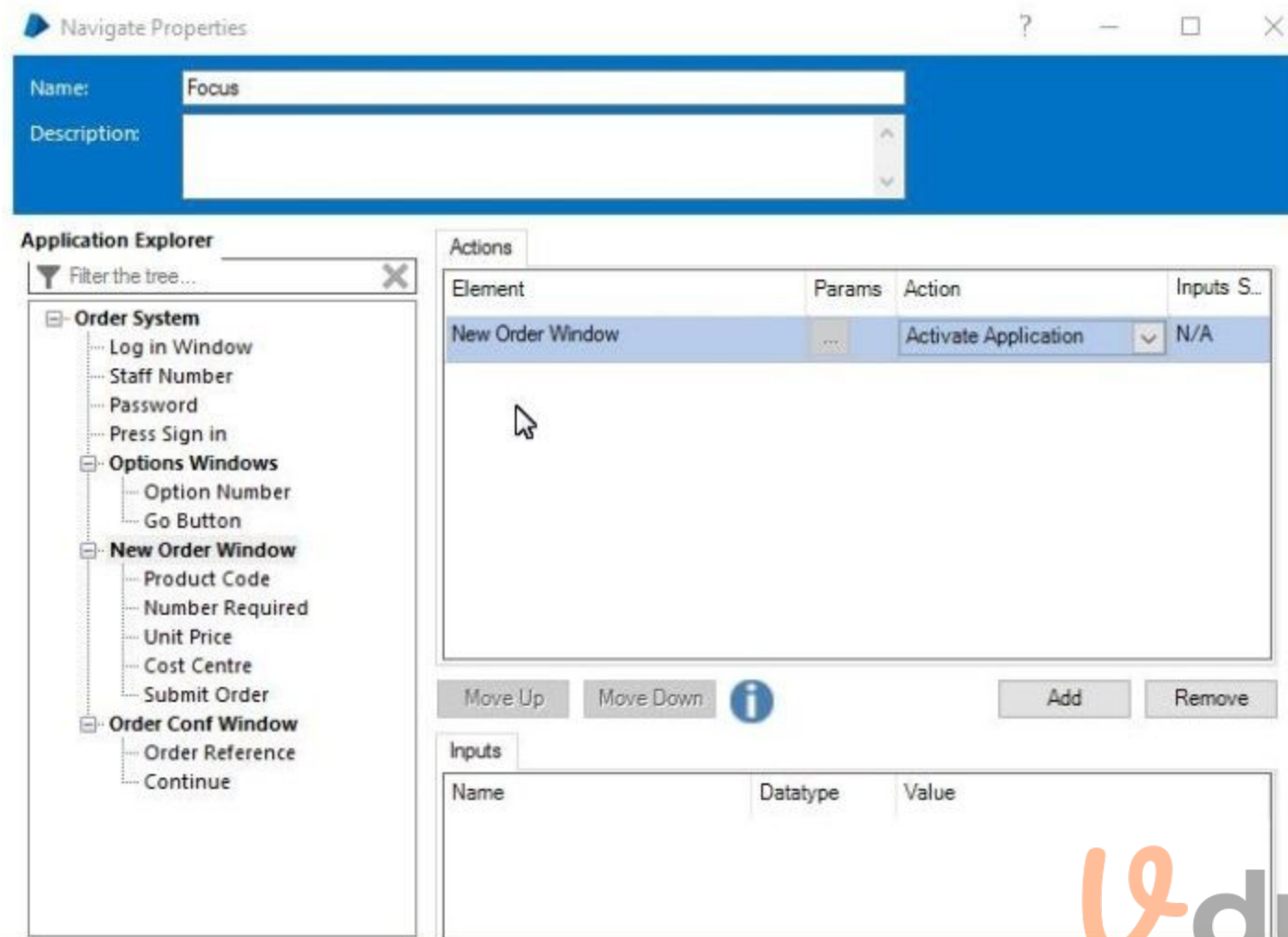
Element	Params	Action	Inputs S..
New Order Window	...	Click Window	Yes

Move Up Move Down Add Remove

Inputs

Name	Datatype	Value
X	Number	
Y	Number	
Mouse Button	Text	

D)



- A. Exhibit A
- B. Exhibit B
- C. Exhibit C
- D. Exhibit D

**Correct Answer: D**

**Section:**

**Explanation:**

For window application to ensure the new screen is in focus We need to activate the New screen as not the application

**QUESTION 50**

You identify an element in Application Modeller and it highlights uniquely and can be used in your object flow diagram. The next day you find that Blue Prism cannot no longer identify the same element, your object flow is giving you 'Element not found' exceptions. Which of the following statements is true?

- A. This must be an environment issue. The Blue Prism environment must be consistent and persistent, and an element that worked one day and does not work the next day suggests the environment is changeable. The IT team supporting the environment needs to be contacted to fix the problem.
- B. The Blue Prism product support team should be contacted to report the issue. This signifies an inconsistency in how the Blue Prism product is working which needs to be fixed.
- C. This suggests that Best Practice exception handling has not been implemented in the object. A retry loop around the object stages that are using the element will probably fix the problem
- D. It is common for consistency issues to be found during configuration/development testing. The most likely cause is that an attribute has been selected for the element that is changeable, such as a window title with a date, or a URL The developer needs to ensure that any changeable attributes are unticked.

**Correct Answer: D**

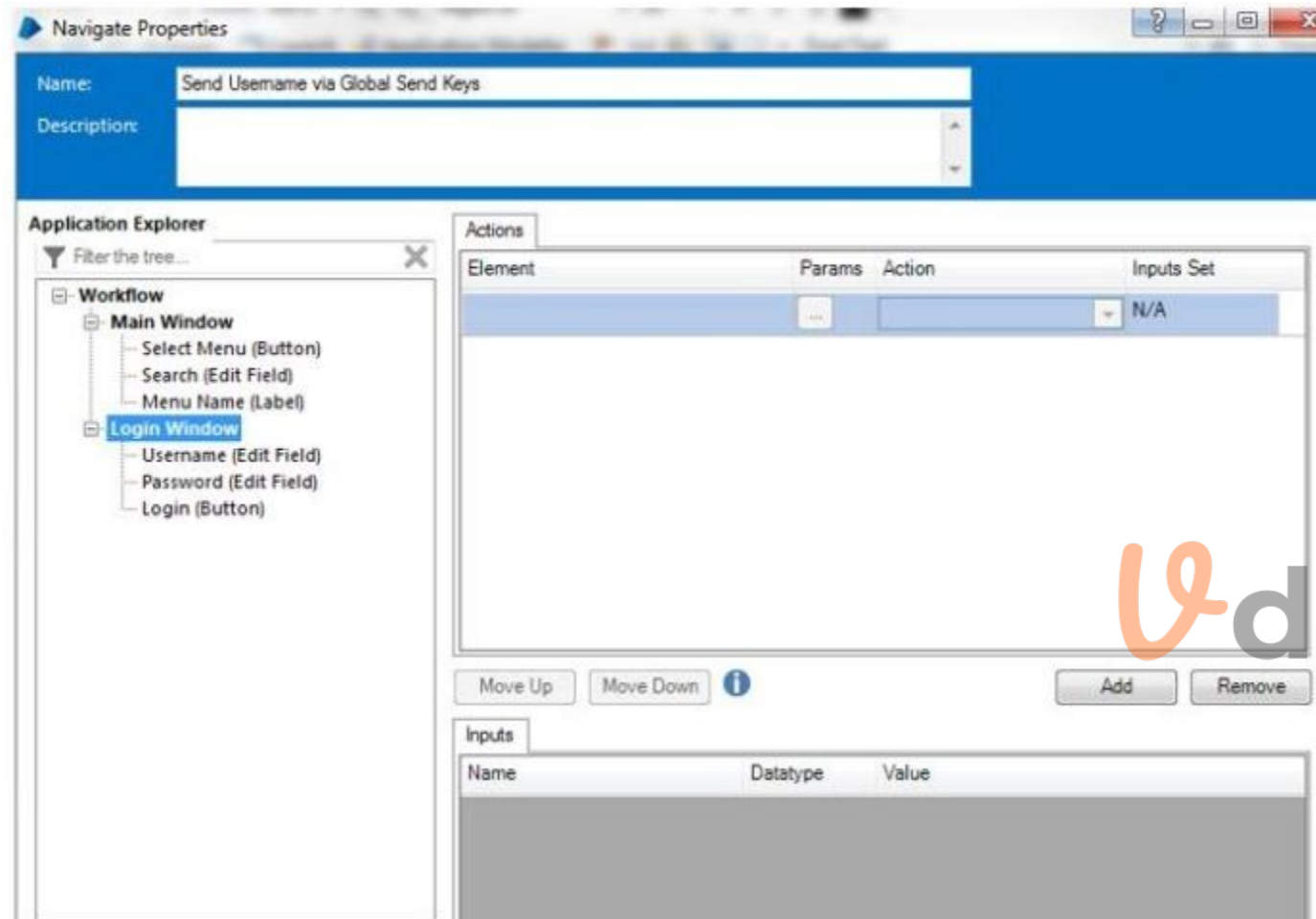
**Section:**

**Explanation:**

Reason: This is happening when identifying the elements in application modeler some of the details which are changing on the different environment and while identifying the elements in application modeler the developer takes the element whose values are changing and when the application run on the different path at that point of the time the process is able to expecting values eg same url, date or title but it is not at there so the process terminates. Follow the best practice for this.

**QUESTION 51**

A business object needs to use a Global Send Keys stage to populate the User Name field in an application entitled Workflow. The application is in focus and cursor is in the User Name field. In order to configure the Global Send Keys, which element needs to be placed in the Element field of the stage below?



- A. Workflow
- B. Main Window
- C. Login Window
- D. Username (Edit Field)

**Correct Answer: D**

**Section:**

**Explanation:**

Reason: As we need to pass the values in the username so the values of username to be passed only in the username element. As Rest other options are having only the outer area of the spied application.

**QUESTION 52**

How can a session variable value be updated when a process is running? (select all that apply)

- A. By using the Internal - Session Variables business object.

- B. By pausing the Session Variables work queue.
- C. By updating the value in Credential Manager.
- D. By updating the value in Control Room.

**Correct Answer: D**

**Section:**

**Explanation:**

Reason: Session variable values to be update only in the Control room.

Below is the reference.

The screenshot shows the 'Control' interface with the following components:

- Left Navigation Panel:** Includes Session Management, Queue Management (CFTS, CFTS Acq Autoload, Fish Eye Email, OrderSystem, Queue 1, Queue1, Quote Requests, Work Queue Exam), Active Queues, Scheduler, Reports, Recent Activity, Timetables, Today & Tomorrow, Schedules, and Retired Schedules.
- Main Panel:**
  - Sessions - Control currently running sessions:**
    - Available Processes:** A tree view showing 'Exam' with sub-items 'Circular path' (exam) and 'Session & Environment' (Session). Below is a table:

Name	Description
Circular path	exam
Session & Environment	Session
Create Quotes	Loads quote requests from an Excel file and performs updates in the BP Travel system
    - Available Resources:** A table with columns: Name, State, Members, Last Error. It shows 'UCP-04341Y' with state 'Connected'. A yellow highlight is under the resource name, and a red arrow points to it.
  - Environment:** Control processes using the start and stop links. Includes dropdowns for All, Today, and All. A table below shows:

ID	Process	Resource	User	Status	Start Time	End Time
1...	Session & Environment	UCP-04341Y	admin	Completed	8/31/2018 12:46:13 ...	8/31/2018 12:46:13 PM
  - Bottom Panel:** A table with columns: ID, Name, Type, Value, Description. This area is circled in red.

**QUESTION 53**

If you change a session variable when will the new value be available to the process?

- A. Immediately
- B. Next time a new case is taken from a WQ
- C. Next time resource PC starts
- D. Next time the process starts

**Correct Answer: A**

**Section:**

**Explanation:**

Reason: It updates the values immediately.

#### **QUESTION 54**

When a process is running in Control Room which of the following functions within the process can be accessed from Control Room to request the process to stop?

- A. Stop()
- B. IsStopRequestec?
- C. IsStopRequested()
- D. StopNow()
- E. Stop?
- F. StopNow?

**Correct Answer: C**

**Section:**

**Explanation:**

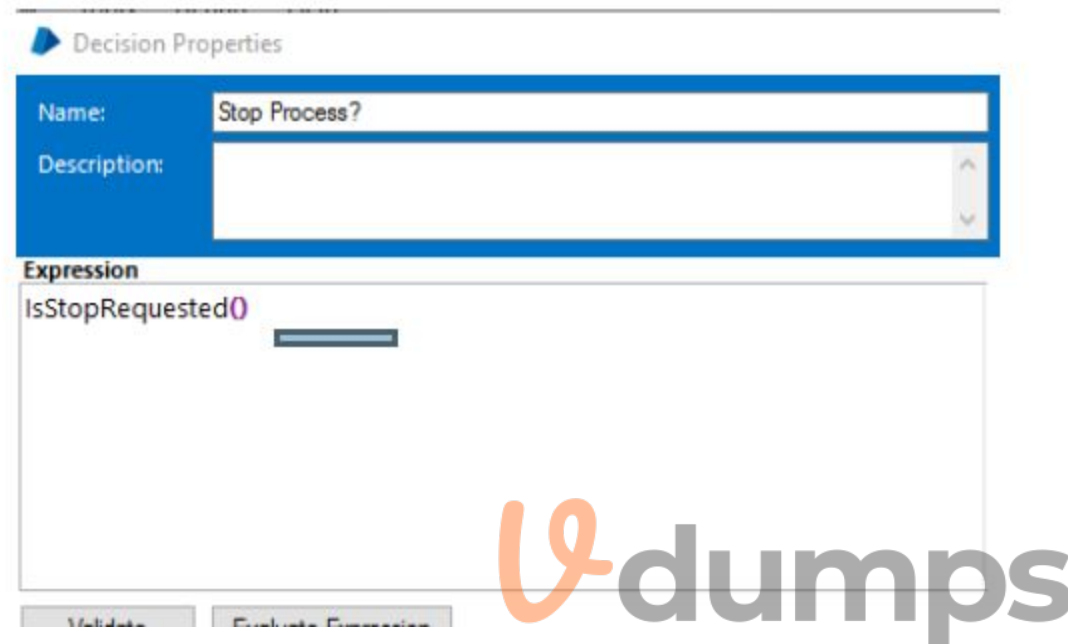
Reason: IsStopRequested() function is used for the immediate stop provided by the blueprism (mentioned in the foundation course)



Figure 144: Context Menu for Running Processes

**Immediate Stop** is the equivalent of **Stop Selection**. **Request Stop** will ask the process to stop where there is a configured safe stop with the process.

You can configure a safe stop within your process by using the inbuilt Environment function `IsStopRequested()` within a Decision stage.



**QUESTION 55**

An action called 'Get Account details' fails with the following exception detail:

Internal : Failed to perform step 1 in Read Stage 'Read Details' on page 'Get Account Details' - Not Connected

Which of the following could cause this exception?

- A. An internal error always indicates a problem with the Blue Prism product. The Blue Prism support team should be contacted for assistance
- B. The Read Details action is not connected to another stage so cannot execute.
- C. The Business Object has not been coupled to the application by either launching it or attaching to it.
- D. The Read Details action in the Get Account Details Business Object no longer exists but the Process is attempting to use it.

**Correct Answer: C**

**Section:**

**Explanation:**

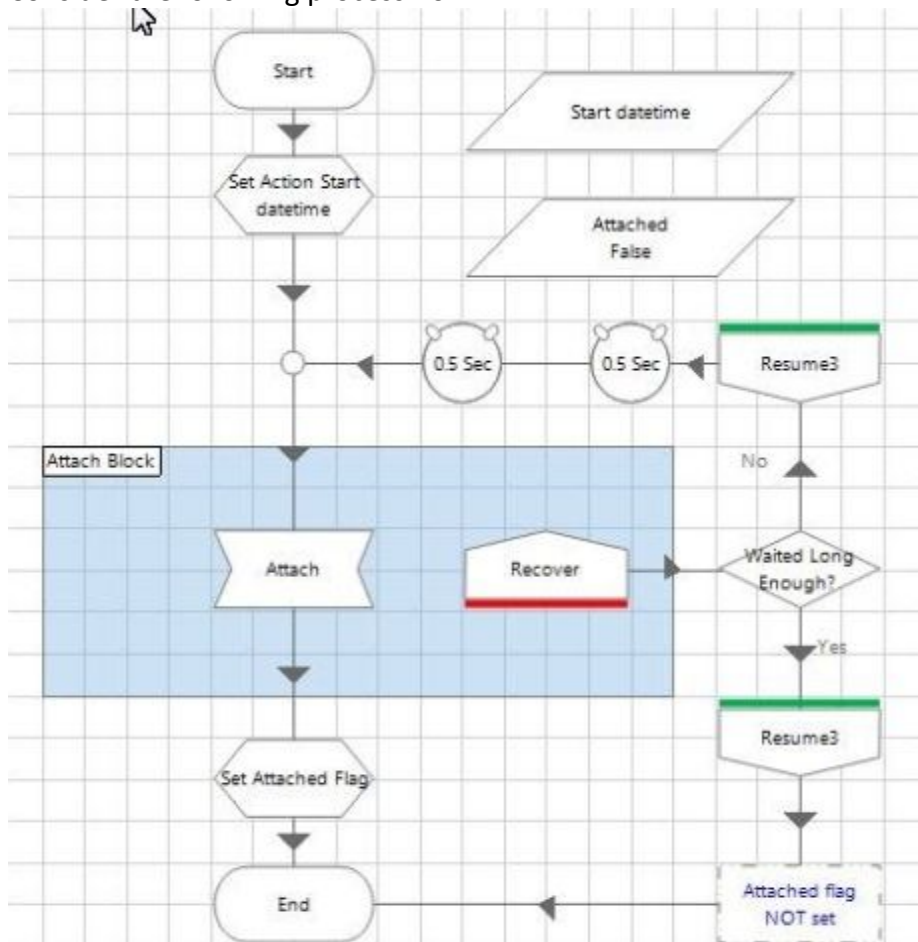
Reason: This is happening when the application is not attached or launched and user tries to read the action. Exercise also mentioned in the foundation course. Below snapshot is from the Exception pdf.

messages from your training.

Internal Exception Message	Interpretation
Already connected to an application	The business object is already attached and cannot be launched or attached again.
<b>Not Connected</b>	The business object is unattached and must be attached before it can perform any other actions.

**QUESTION 56**

Consider the following process flow:



What is the problem with this flow?

- A. There is nothing wrong with this flow.
- B. The exception handling in this flow can be removed because an Attach action in a navigate stage should always work if configured correctly
- C. The Attach Block should be enlarged to also include the Waited Long Enough decision stage.
- D. The flow contains a recover stage and a route from it without a resume stage. This will cause internal errors on future exceptions thrown in the same session.



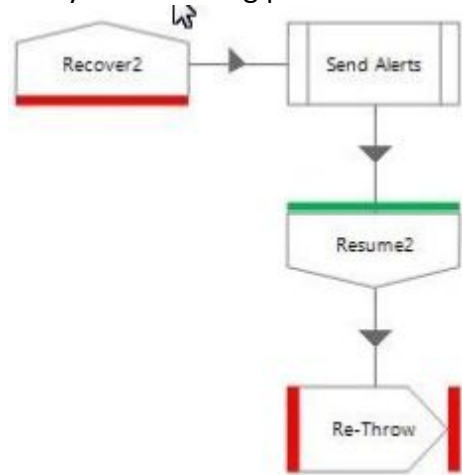
E. The 0.5 second wait stage should be removed so that the retries can be performed at full speed.

**Correct Answer: A**

**Section:**

**QUESTION 57**

Study the following process flow on the Main Page of a process where the intention is to preserve the current exception.



What is wrong with the design?

- A. The exception handling is not within an Exception Block.
- B. The exception caught by Recover2 will not be preserved by the Re-Throw Exception stage
- C. The Send Alerts process will never be run
- D. Because the flow is on the Main Page of the process there should not be a 'Re-Throw' Exception stage as there are no parent/calling pages for the exception to bubble up' to.

**Correct Answer: B**

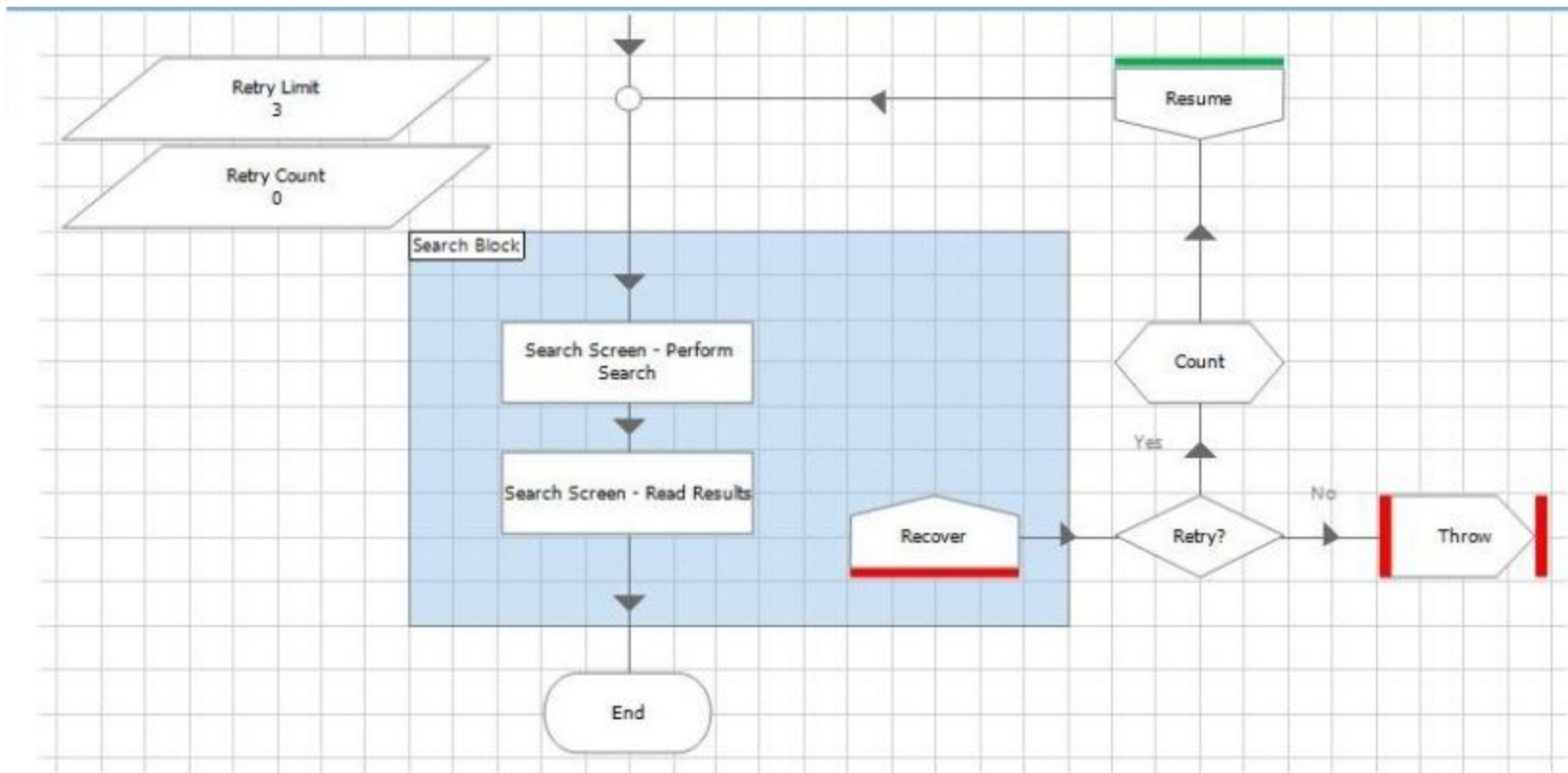
**Section:**

**Explanation:**

Reason: After resume stage the exception is dead so the Re thrown will not worked.

**QUESTION 58**

Refer to the exhibit.



What is wrong with the flow shown in the image?

- A. Sub-pages should not have retry logic, exception handling should be in the object level rather than in the process.
- B. The resume stage must also be within the exception block
- C. The retry loop logic does not include any navigation after the resume stage to ensure the application is ready to try the 'Search Screen -Perform Search' action again.
- D. The retry loop logic shown in the image is incorrect because it uses multiple action stages. There should be a retry loop around every action.

**Correct Answer: C**

**Section:**

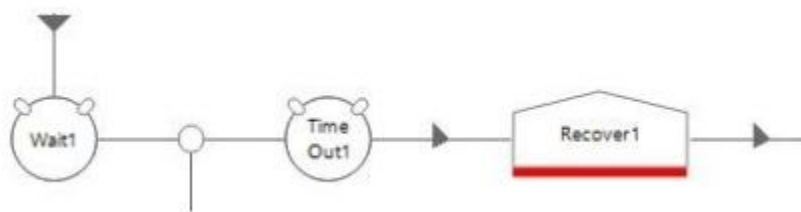
**Explanation:**

As per the process template the resume there should be another action or page after the resume stage.

**QUESTION 59**

Which of the following flows can you not create in Blue Prism? (select 2 responses)

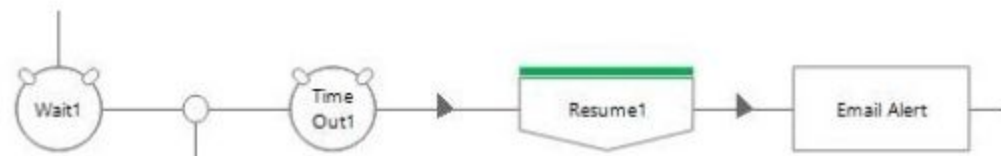
A)



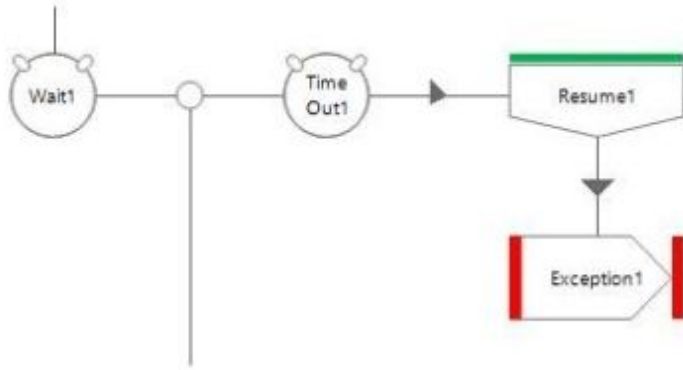
B)



C)



D)



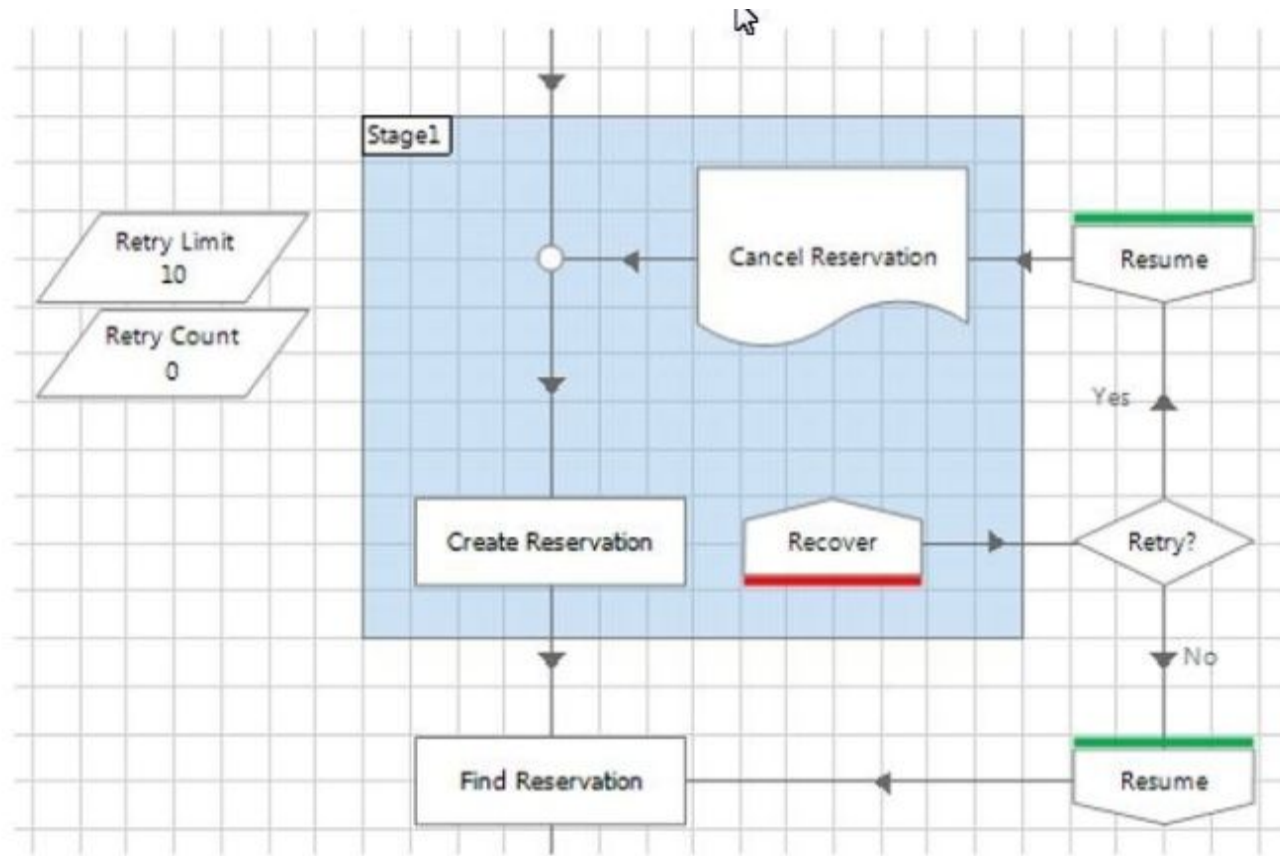
- A. Option A
- B. Option B
- C. Option C
- D. Option D

**Correct Answer: A, B**  
**Section:**

**QUESTION 60**

Study the following image showing pan: of the flow within a process:





- A. There is a missing Recover stage on one of the routes through the flow.
- B. There is a missing Resume stage on one of the routes through the flow.
- C. The Retry Count is not being incremented for each retry.
- D. If an exception is thrown in the Cancel Reservation page and is allowed to bubble up to be caught by the Recover stage, the Create Reservation action won't be retried.

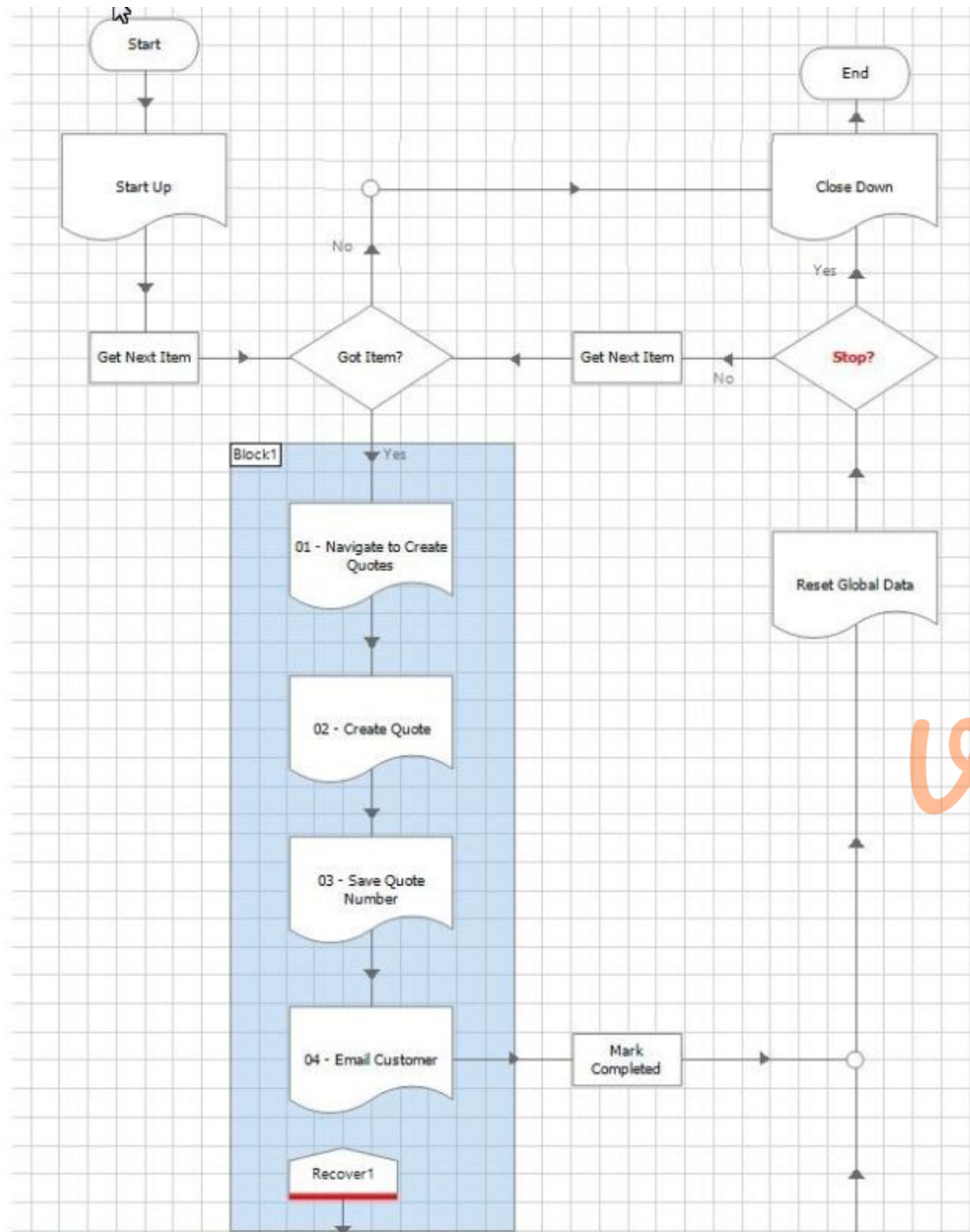
**Correct Answer: C, D**

**Section:**

**QUESTION 61**

Look at this flow diagram from the Main Page of a process in Process Studio:





 **vdumps**

Thinking about the standard Blue Prism Process Templates, what is wrong with how this Mam Page is handling exceptions?

- A. There is nothing wrong with the Main Page flow shown in the image, it is a copy of Blue Prism's standard Process Template.
- B. The Exception Block in the image should be extended to cover all stages in the flow rather than just 4 sub-pages.
- C. It would be better to remove the Exception Block and recover, resume logic, and instead handle any exceptions in the sub-pages. Flag data items could instead be passed up as output parameters from the sub-pages informing the Main Page flow if an exception has occurred.
- D. The exception handling in the image does not contain any concurrent exception logic. This means there is nothing stopping every item in the Work Queue being marked with the exact same System Exception.
- E. Between the Recover and Resume stages there should be logic to reset the application ready for the next case to be worked For example, this could call the Close Down and Start Up pages.

Correct Answer: A

Section:

QUESTION 62

Which of the following Blue Prism stages can be found in Object Studio but not in Process Studio? (Select all items which apply)

A)



B)



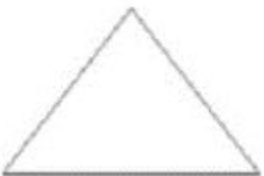
C)



D)



E)



F)



A. Option A

B. Option B

C. Option C

D. Option D

E. Option E



**Correct Answer: A, B, E**

**Section:**

**Explanation:**

In Blue Prism, there are specific stages that are available in Object Studio but not in Process Studio. These stages are designed to interact with applications and perform specific actions at a more granular level.

Option A (Action Stage): Found in Object Studio. It allows the object to call actions within other objects or business objects.

Option B (Read Stage): Found in Object Studio. It is used to read data from an application or interface.

Option E (Write Stage): Found in Object Studio. It is used to write data to an application or interface.

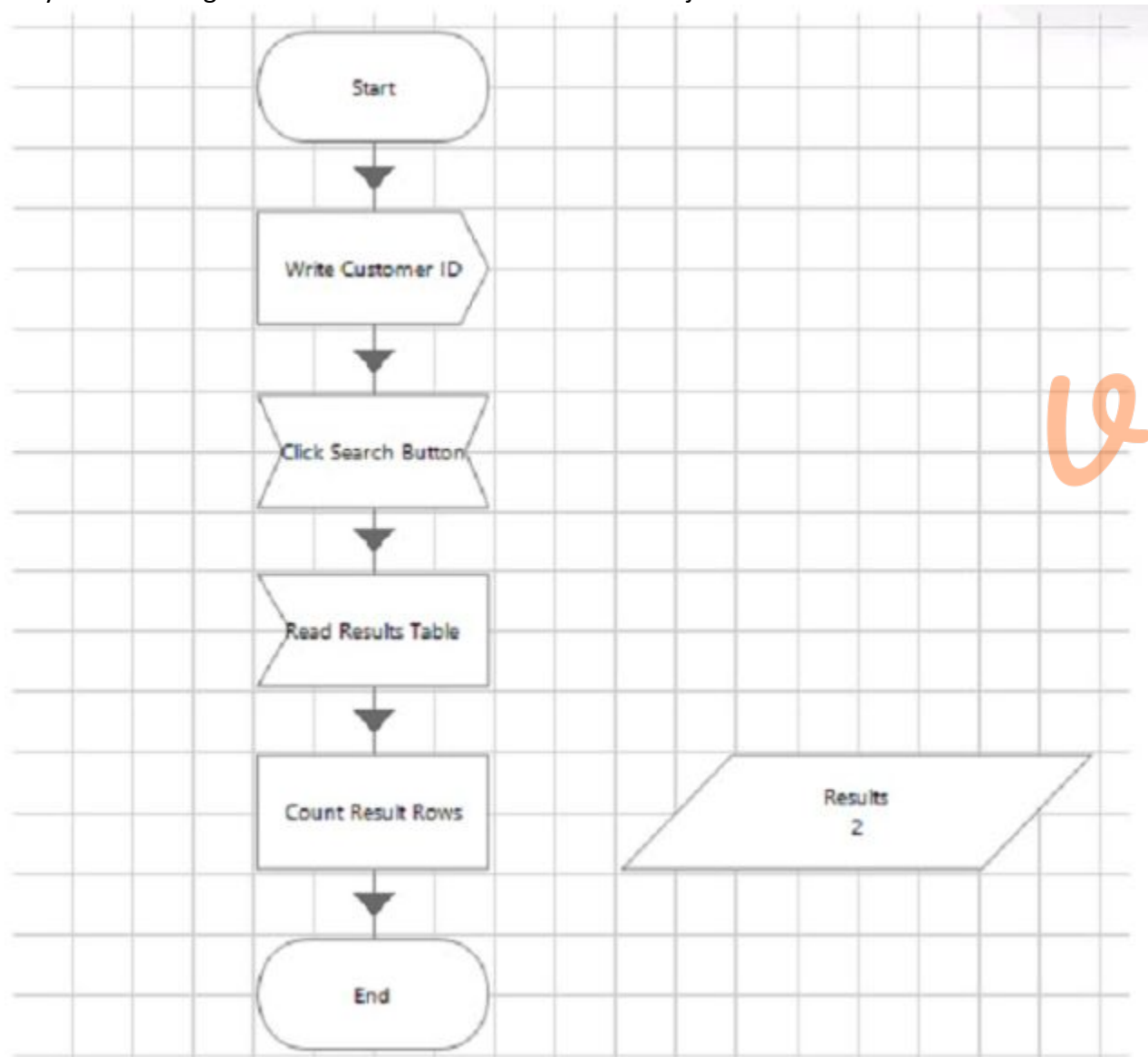
These stages are part of the functionality provided by Object Studio for interacting directly with applications, and they are not available in Process Studio, which is used for high-level process orchestration.

Blue Prism Object Studio documentation

Blue Prism Process Studio documentation

### QUESTION 63

Study the following Action flow in a Blue Prism Business Object:



Which of the following statements are true about this flow'?

- A. If during testing the Action flow completes as expected, then no additional Wait stages are required as this will slow down the execution of the Action flow
- B. A single intelligent Wait stage should be added between the 'Start' stage and the 'Write Customer ID' stage to correct this Action
- C. To correct this Action, intelligent Wait stages should be added after the start stage and after any stage that will cause the application we are interfacing with to change
- D. Intelligent Wait stages should be added after every stage in the flow (i.e. after any Navigate Write or Read stages), to correct this Action

**Correct Answer: C**

**Section:**

**Explanation:**

Initial Analysis of the Action Flow:

The Action flow starts with writing the Customer ID, followed by clicking the search button, reading the results table, counting the result rows, and ending the flow.

This flow represents an automation process in Blue Prism, interacting with a user interface or application.

Importance of Wait Stages:

Wait stages in Blue Prism are used to handle the timing issues when interacting with applications. They ensure that the application has had enough time to process the previous action before moving to the next.

Without wait stages, the automation process might attempt to perform actions on elements that are not yet ready, leading to errors.

Identification of Critical Points for Wait Stages:

After the start stage and before interacting with the application elements, it is important to introduce wait stages to ensure the application is ready.

Specifically, after the 'Write Customer ID' stage and after the 'Click Search Button' stage, wait stages should be added because these actions cause changes in the application state, which needs to be stabilized before proceeding.

Implementation:

Add a wait stage after the 'Start' stage to ensure the application is loaded and ready.

Add another wait stage after 'Write Customer ID' to ensure the ID is fully entered before clicking the search button.

Another wait stage should be placed after 'Click Search Button' to wait for the results to load before reading the results table.

After reading the results table, ensure the table is fully loaded before counting the result rows.

Blue Prism Developer Documentation: Best Practices for Wait Stages

Blue Prism Training Material on Intelligent Wait Stages

#### QUESTION 64

After launching the order processing application, the following login screen is displayed to the user, requesting their login details:



The logo for "Vdumps" features a stylized orange "V" followed by the word "dumps" in a grey, lowercase, sans-serif font.

The following Launch Action has been created in Blue Prism:



According to Blue Prism best practice, what should be configured between the Launch and End stages?



- A. A Wait Stage to check for an element on the Login screen
- B. A Navigate stage to Attach to the application
- C. A Write stage to enter the Staff Number and Password
- D. A Read Stage to read an element from the Login screen

**Correct Answer: A**

**Section:**

**Explanation:**

Analysis of the Launch Action:

The action involves launching an order processing application, which brings up a login screen requesting the user's login details.

The flow in the question shows a 'Launch' stage and an 'End' stage with no intermediate stages.

Blue Prism Best Practices:

According to Blue Prism best practices, after launching an application, it is essential to verify that the application has loaded successfully and is ready for further interaction.

This verification is typically done using a wait stage to check for the presence of specific elements that confirm the application is ready, in this case, elements on the login screen.

Reasoning for the Wait Stage:

The Wait stage ensures that the login screen has fully loaded and the elements are available for interaction.

This prevents the automation process from proceeding to the next steps too quickly, which could lead to errors if the elements are not yet ready.

Implementation:

Insert a Wait stage immediately after the Launch stage.

Configure the Wait stage to check for a specific element on the login screen, such as the 'Staff Number' field or the 'Sign In' button.

Only proceed to the next stages (entering login details, etc.) once the Wait stage confirms the presence of the required elements.

Blue Prism Developer Documentation: Best Practices for Wait Stages

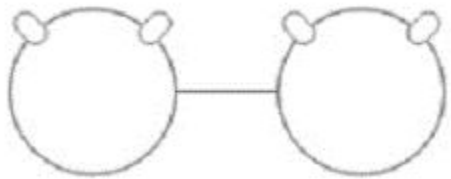
Blue Prism Training Material on Login Automation Procedures



**QUESTION 65**

Which of the following Blue Prism stages can be found in both Process Studio and Object Studio? (Select all items which apply)

A)



B)



C)



D)



E)



F)



- A. Option A
- B. Option B
- C. Option C
- D. Option D
- E. Option E
- F. Option F

**Correct Answer: A, B, C, D, E**

**Section:**

**Explanation:**

Understanding Blue Prism Stages:

Blue Prism automation involves various stages that represent different actions and decisions in a process or object. These stages are used to build process flows in both Process Studio and Object Studio.

Certain stages are common to both studios, while some are specific to one.

Identification of Stages in the Image:

Option A: Decision Stage

Option B: Calculation Stage

Option C: Multi-Calculation Stage (a combination of calculations)

Option D: Data Item

Option E: Process Stage

Option F: Navigate Stage (specific to Object Studio)

Stages Common to Both Process Studio and Object Studio:

Decision Stage (Option A): Used to make decisions based on conditions.

Calculation Stage (Option B): Used to perform calculations.

Multi-Calculation Stage (Option C): Represents multiple calculations grouped together.

Data Item (Option D): Represents variables or data items used in the process.

Process Stage (Option E): Used to invoke sub-processes or other processes within a main process.

Stage Specific to Object Studio:

Navigate Stage (Option F): Used to interact with applications, specific to Object Studio.

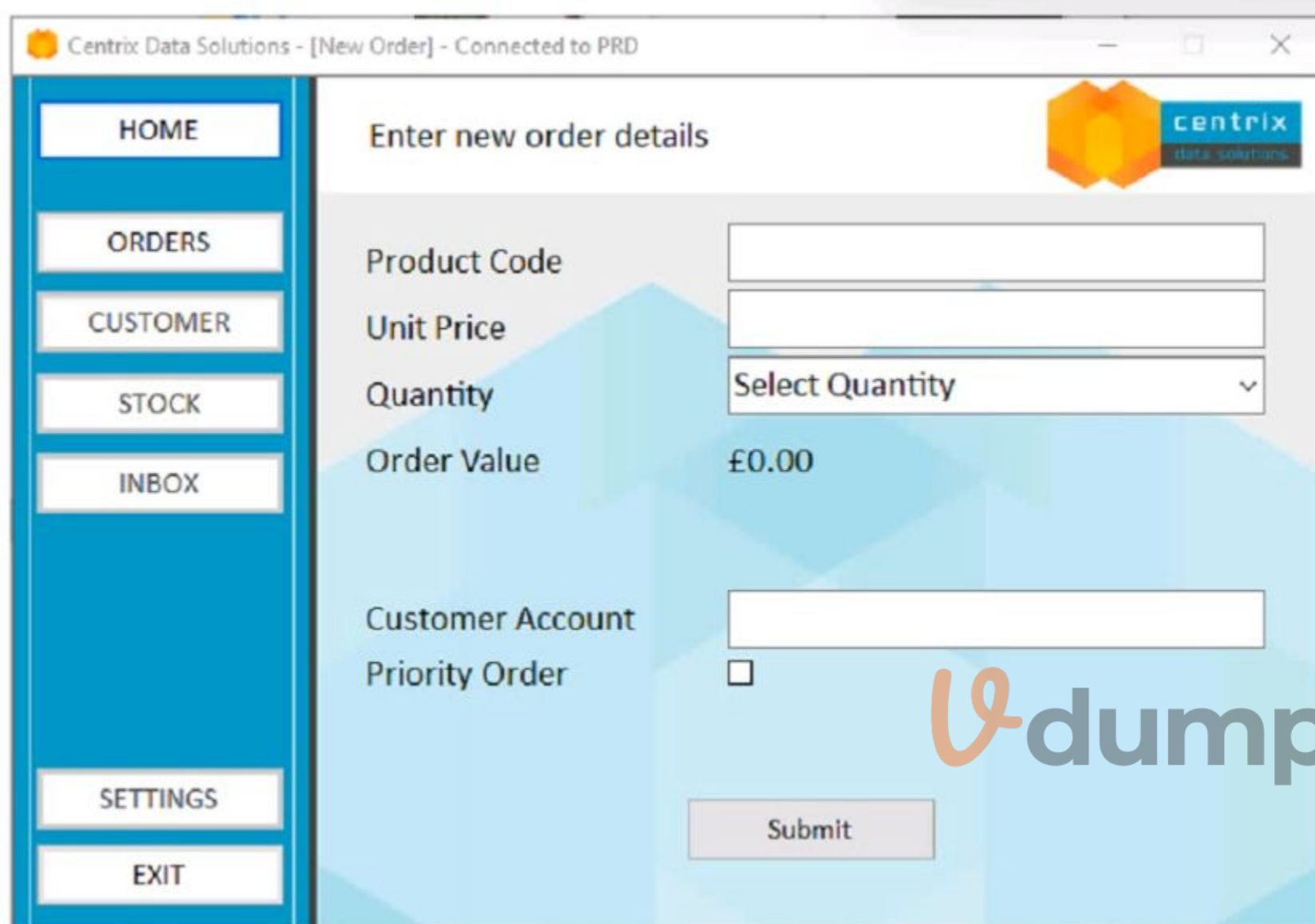
Blue Prism Developer Documentation: Process and Object Studio Stages

Blue Prism Training Material on Building Processes and Objects



**QUESTION 66**

The Centrix Data Solutions application has been launched successfully and Blue Prism has navigated the application to the New Order screen, as displayed below:



Before Blue Prism can interact with the New Order screen, there is a requirement to ensure the screen is in focus first. Which of the following configurations are correct to ensure the New Order screen is in focus? A)

Navigate Properties

Name:

Description:

**Application Explorer**

Filter the tree...

- Centrix Data Solutions
  - Window: Login
    - Panel: Login Details
      - Textbox: Staff Number
      - Textbox: Password
  - Window: Home
    - Button: Home
    - Button: ORDERS
    - Button: Exit
  - Window: Order Menu
    - Textbox: Order Menu Option
    - Button: Go
  - Window: New Order
    - Textbox: Product Code
    - Textbox: Unit Price
    - Dropdown: Quantity
    - Textbox: Customer Account
    - Checkbox: Priority Order
    - Button: Submit

**Actions**

Element	Params	Action	Inp...
Window: New Order	...	Unhide Window	N/A

Pause After Each Step (timespan/secs)

Move Up Move Down Add Remove

**Inputs**

Name	Datatype	Value
------	----------	-------

Stage logging:

Warning threshold:  Number of minutes:  (0 to disable)

OK Cancel

B)

Navigate Properties

Name: Focus

Description:

Application Explorer

Filter the tree...

- Centrix Data Solutions
  - Window: Login
    - Panel: Login Details
      - Textbox: Staff Number
      - Textbox: Password
  - Window: Home
    - Button: Home
    - Button: ORDERS
    - Button: Exit
  - Window: Order Menu
    - Textbox: Order Menu Option
    - Button: Go
  - Window: New Order
    - Textbox: Product Code
    - Textbox: Unit Price
    - Dropdown: Quantity
    - Textbox: Customer Account
    - Checkbox: Priority Order
    - Button: Submit

Actions

Element	Params	Action	Inp...
Window: New Order	...	Activate Application	N/A

Pause After Each Step (timespan/secs)

Move Up Move Down Add Remove

Inputs

Name	Datatype	Value

Stage logging: Disabled


Warning threshold: System Default

Number of minutes: 5 (0 to disable)

OK Cancel

c)

Textbox: Product Code  
- Textbox: Unit Price  
- Dropdown: Quantity  
- Textbox: Customer Account  
- Checkbox: Priority Order  
- Button: Submit

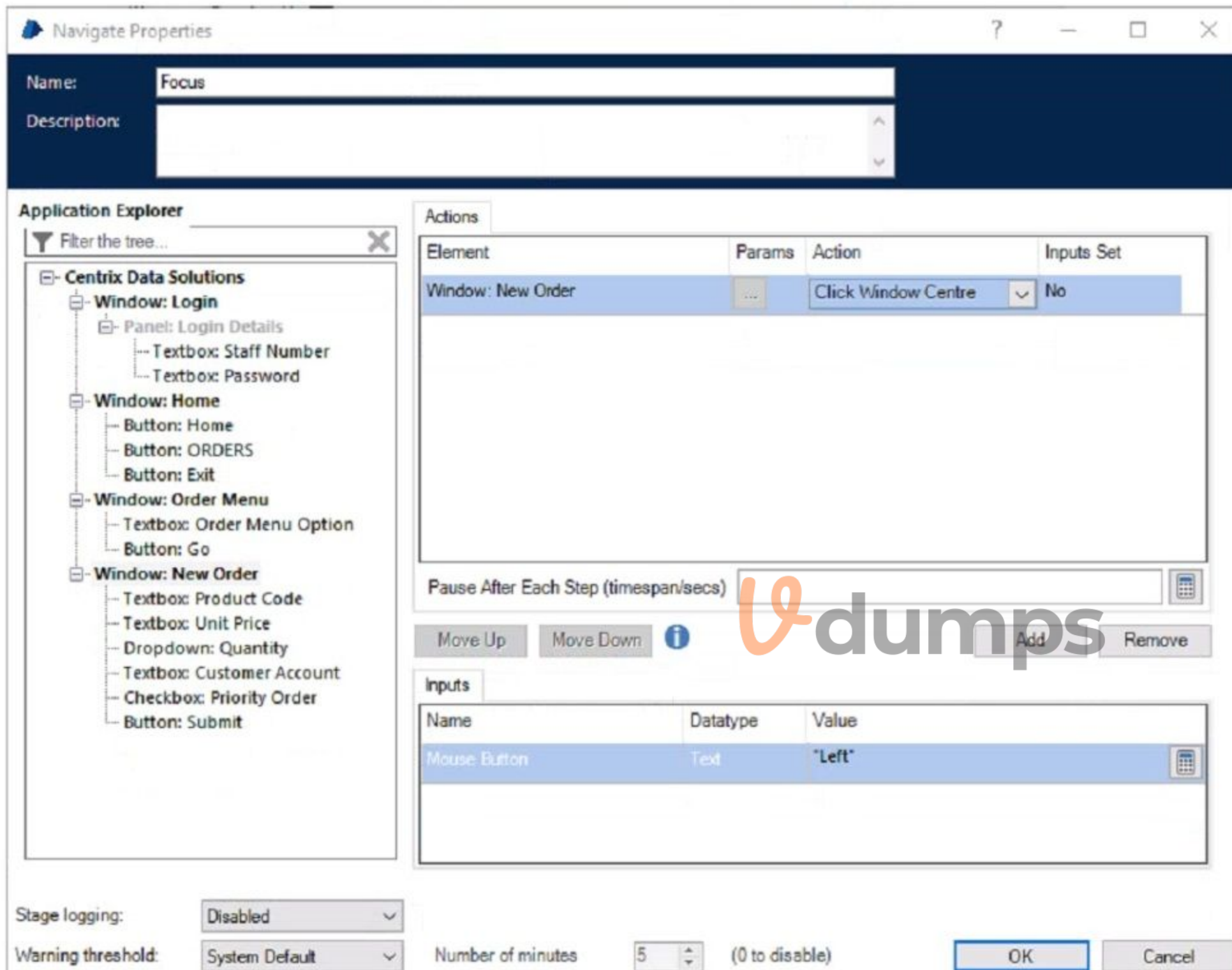
Move Up Move Down  Add Remove

Inputs

Name	Datatype	Value

D)





- A. Option A
- B. Option B
- C. Option C
- D. Option D

**Correct Answer: C**

**Section:**

**Explanation:**

Analysis of the Requirement:

The task is to ensure that the 'New Order' screen in the Centrex Data Solutions application is in focus before Blue Prism interacts with it. Ensuring the screen is in focus means making it the active window so that subsequent automation actions, such as clicking or entering text, can be performed correctly.

Available Configurations:

Option A: Uses the 'Unhide Window' action.

Option B: Uses the 'Activate Application' action.

Option C: Uses the 'Click Window Centre' action.

Option D: Uses the 'Focus' action.

Evaluation of Each Option:

Option A (Unhide Window): This action would unhide the window if it were hidden, but it does not necessarily bring the window into focus.

Option B (Activate Application): This action ensures the application is active, but it might not specifically bring the 'New Order' window into focus.

Option C (Click Window Centre): This action clicks in the center of the 'New Order' window, which effectively brings it into focus by simulating a user click. This is a direct way to ensure the window is in focus.

Option D (Focus): This action would set focus to the element, but in the provided screenshots, this configuration does not seem to be utilized or shown.

Conclusion:

Option C (Click Window Centre) is the correct configuration because it directly interacts with the 'New Order' window to ensure it is in focus by clicking on its center. This action guarantees that the window becomes the active window, ready for further automation steps.

Blue Prism Developer Documentation: Interacting with Application Windows

Blue Prism Training Material on Window and Element Interaction

#### QUESTION 67

When automating a Windows application, what type of stage is used to perform a 'Global Send Key Events' action?

- A. Keypress Stage
- B. Navigate Stage
- C. Action Stage
- D. Write Stage

**Correct Answer: B**

**Section:**

**Explanation:**

Understanding the Global Send Key Events Action:

The 'Global Send Key Events' action is used to send keystrokes to a Windows application, simulating keyboard input.

Stage Types in Blue Prism:

Keypress Stage: This does not exist as a separate stage in Blue Prism.

Navigate Stage: This stage is used for performing navigation actions within an application, including mouse clicks, key presses, and global send key events.

Action Stage: This is used to call actions from business objects, not for direct interaction like sending key events.

Write Stage: This is used to enter data into fields, not for sending key events.

Conclusion:

The correct type of stage used to perform a 'Global Send Key Events' action in Blue Prism is the Navigate Stage.

Blue Prism Developer Documentation: Using Navigate Stages

Blue Prism Training Material on Application Interaction

#### QUESTION 68

Which of the following statements are correct when considering an elements attributes in Application Modeller?

(Select all items which apply)

- A. The attribute list will always contain the same entries regardless of the target application or element
- B. The initial selection of attributes made by Blue Prism will always be the optimum attribute set to use to match the element
- C. The attributes displayed in Application Modeller are provided to Blue Prism by the target business application
- D. Attributes which are included in the element match criteria contain a tick in the Match column of Application Modeller





**Correct Answer: C, D**

**Section:**

**Explanation:**

Attributes in Application Modeller:

Attributes List Consistency (Option A): The attribute list varies depending on the target application and element. Different applications and elements expose different attributes.

Initial Selection (Option B): Blue Prism's initial selection is not always optimal. It is recommended to review and adjust attributes for the best match.

Attributes Source (Option C): The attributes are provided by the target business application, meaning they are specific to what the application exposes.

Match Criteria (Option D): Attributes used in matching criteria have a tick in the Match column within Application Modeller, indicating their use in identifying the element.

Conclusion:

The correct statements are:

C . The attributes displayed in Application Modeller are provided to Blue Prism by the target business application.

D . Attributes which are included in the element match criteria contain a tick in the Match column of Application Modeller.

Blue Prism Developer Documentation: Application Modeller Attributes

Blue Prism Training Material on Element Matching and Attributes

#### **QUESTION 69**

Which of the following options can be used to update the value of a data item exposed as a 'Session Variable', whilst the process is running?

(Select all items which apply)

- A. By updating the data item value in the Variable Repository in System Manager
- B. By updating the data item value in System Manager
- C. Through a Calculation stage in the same process
- D. Selecting the running Process in Control Room and then using the menu options to push a new value to the data item

**Correct Answer: C, D**

**Section:**

**Explanation:**

Session Variables:

Session Variables are data items whose values can be changed while a process is running.

Updating Session Variables:

Variable Repository in System Manager (Option A & B): This refers to managing variables at the system level, which is not used for updating running process variables directly.

Calculation Stage (Option C): This can be used within the process to update the value of a session variable during runtime.

Control Room (Option D): Allows operators to update session variable values for running processes via menu options.

Conclusion:

The correct methods to update the value of a data item exposed as a 'Session Variable' while the process is running are:

C . Through a Calculation stage in the same process.

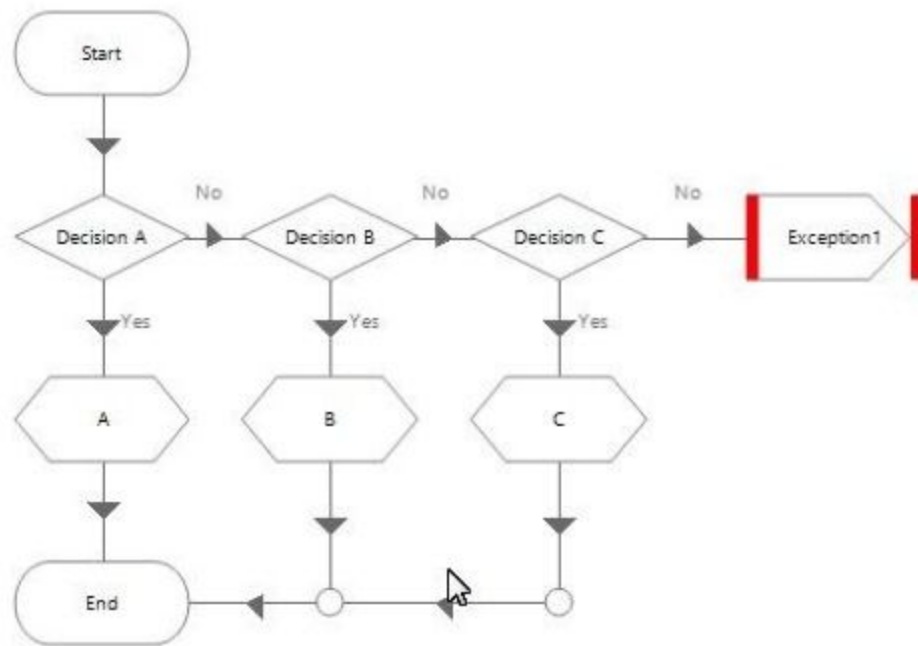
D . Selecting the running Process in Control Room and then using the menu options to push a new value to the data item.

Blue Prism Developer Documentation: Session Variables and Data Items

Blue Prism Training Material on Control Room Operations

#### **QUESTION 70**

Consider the following process flow:



Decision 'A' properties are:

`Mid("United Kingdom", 8, 3) = "ing"`

Decision 'B' properties are:

`Left("UK",1) AND Left("USA") = "U"`

Decision 'C' properties are:

`Len("United States") < Len("United Kingdom")`

What will happen when the process runs?

- A. The flow will pass through calculation stage 'A'
- B. The flow will pass through calculation stage 'B'
- C. The flow will pass through calculation stage 'C'
- D. An exception will be thrown

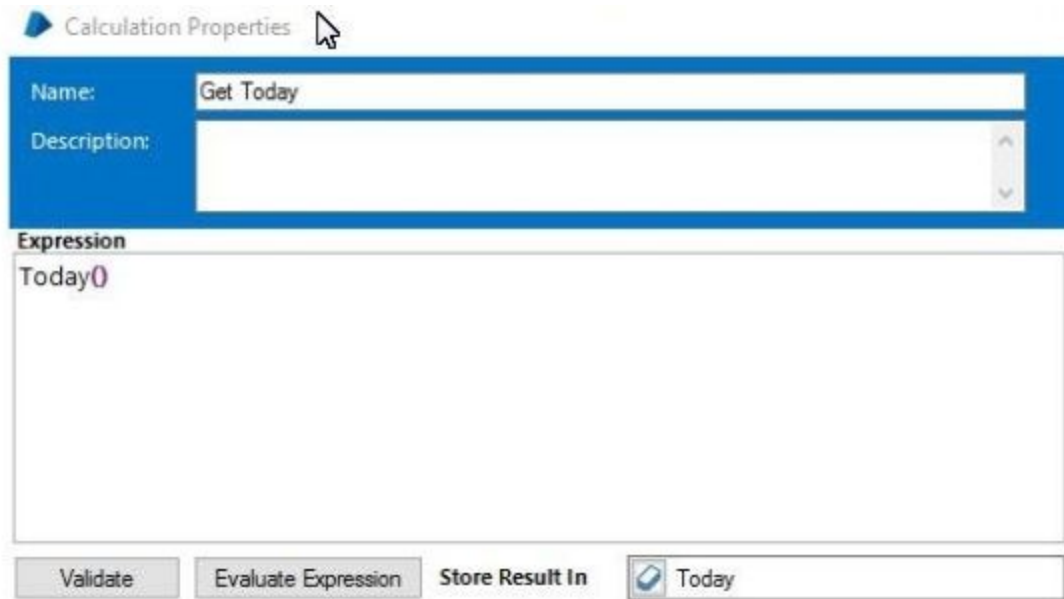
**Correct Answer: D**

**Section:**

**QUESTION 71**

The following Calculation Stage uses the Today function to get the current date as a date value and place it in a data item entitled 'Today'.





Which of the following statements is correct?

- A. If the data item 'Today' is configured with a Data Type of Text, an exception will be thrown on execution of the calculation stage
- B. If the data item 'Today' is configured with a Data Type of Date, an exception will be thrown on execution of the calculation stage
- C. If the data item 'Today' is configured with a Data Type of DateTime, an exception will be thrown on execution of the calculation stage
- D. None of these statements are correct

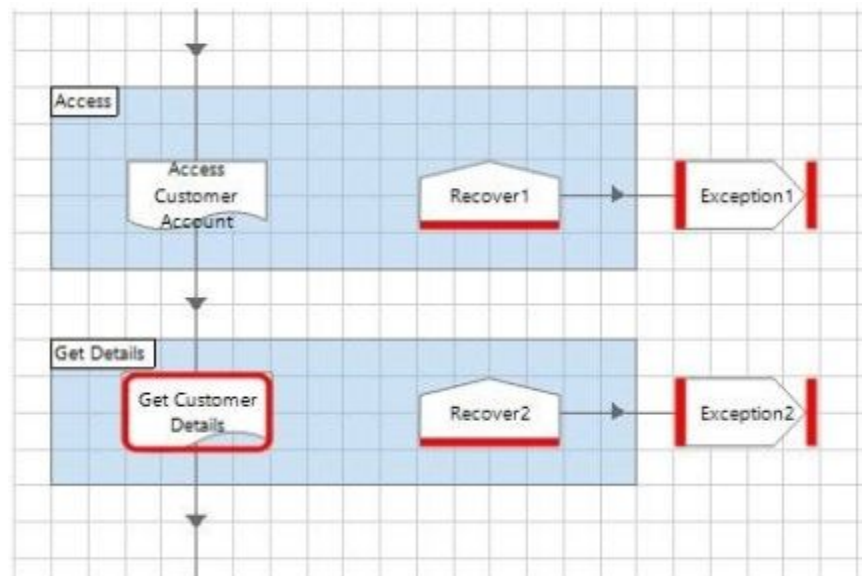
**Correct Answer: C**

**Section:**



**QUESTION 72**

Study at the following diagram which is an extract from a sub-page of a process being tested in Process Studio:



There are no breakpoints in the 'Access Customer Account' subpage however there is an error. What will happen if you choose to step out (SHIFT+ F11) when debugging the process?

- A. The process will work all stages in the 'Access Customer Account' page until the error is thrown and then focus would move to the breakpoint at 'Get Customer Details' stage.
- B. The process will work all stages in the 'Access Customer Account1' page until the error is thrown and then focus would move to the 'Recover 1' stage
- C. The process will work all stages in the 'Access Customer Account' page until the error is thrown and then focus would move to the stage containing the error on the 'Access Customer Account' page,

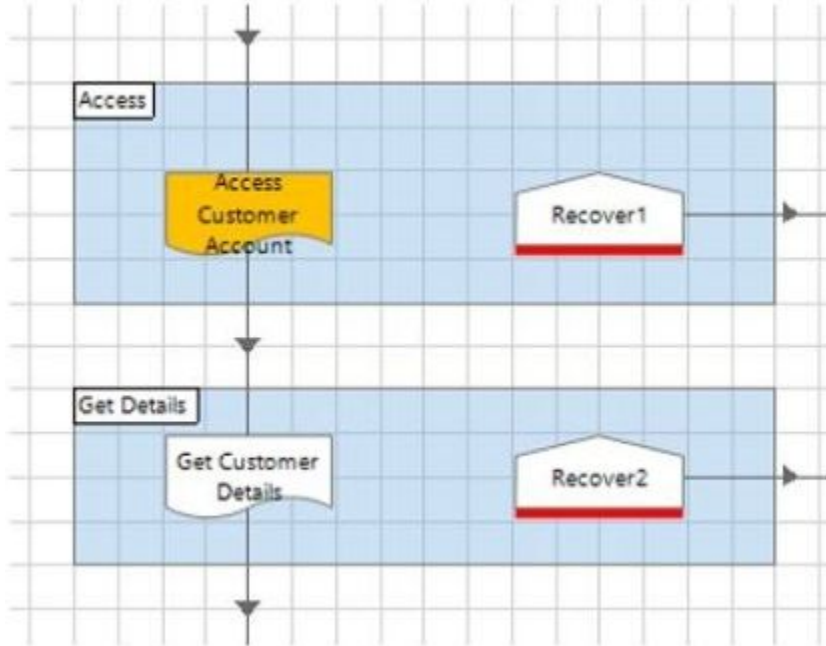
D. The process will work all stages in the 'Access Customer Account' page until the error is thrown and then focus would move to the 'Exception 1 stage.

**Correct Answer: D**

**Section:**

**QUESTION 73**

Study at the following diagram which is an extract from a process being tested in Process Studio:



There are no breakpoints in the 'Access Customer Account' subpage however there is an error. What will happen if you choose to step over (F10) when debugging the process?

- A. The process will work all stages in the; 'Access Customer Account' page until the error is thrown and then focus will move to the 'Get Customer Details' stage.
- B. The process will work all stages in the 'Access Customer Account' page until the error is thrown and then focus will move to the 'Recover 1 stage.
- C. The process would will all stages in the 'Access Customer Account' page until the error is thrown and then focus will move to the stage containing the error on the "Access Customer Account' page.
- D. The process will work all stages in the 'Access Customer Account' page until the error is thrown and then focus would move to the appropriate recover stage on the 'Access Customer Account' page.

**Correct Answer: B**

**Section:**

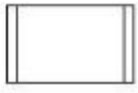
**QUESTION 74**

Which of the following Stages can be found Process Studio but NOT Object studio?

A.



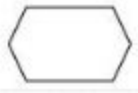
B.



C.



D.



A. Option A

B. Option B

C. Option C

D. Option D

**Correct Answer: D**

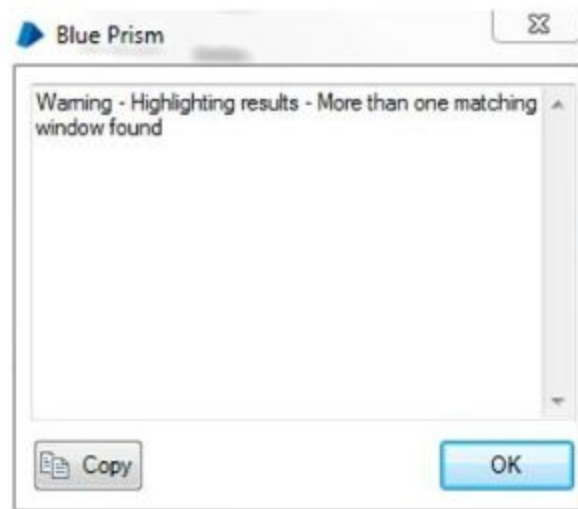
**Section:**



**QUESTION 75**

When mapping the Training application the User field has been spied, but on highlight the following situation is encountered:





Which of the following attributes would you use to help obtain a unique match?

- A. Ordinal
- B. parent Windows Text
- C. Height
- D. Control ID

**Correct Answer: A**

**Section:**

#### QUESTION 76

Which of the following about an object's run mode is true?

- A. A run mode of background will enable the business object to run at the same time as other foreground business objects
- B. A run mode of background will enable the business object to run at the time a other background, foreground and exclusive business objects
- C. A run mode of exclusive cannot at the same time as any other business object
- D. The run mode of a business object has no influence on how many business objects can be run at the same time

**Correct Answer: C**

**Section:**

#### QUESTION 77

How can an environment variable value be updated? (select all that apply)

- A. By using the Internal - Environment Variables business object
- B. By changing the Blue Prism Server configuration
- C. By updating the value in Control Room
- D. By updating the value in Credential Manager.
- E. By updating the value in System Manager

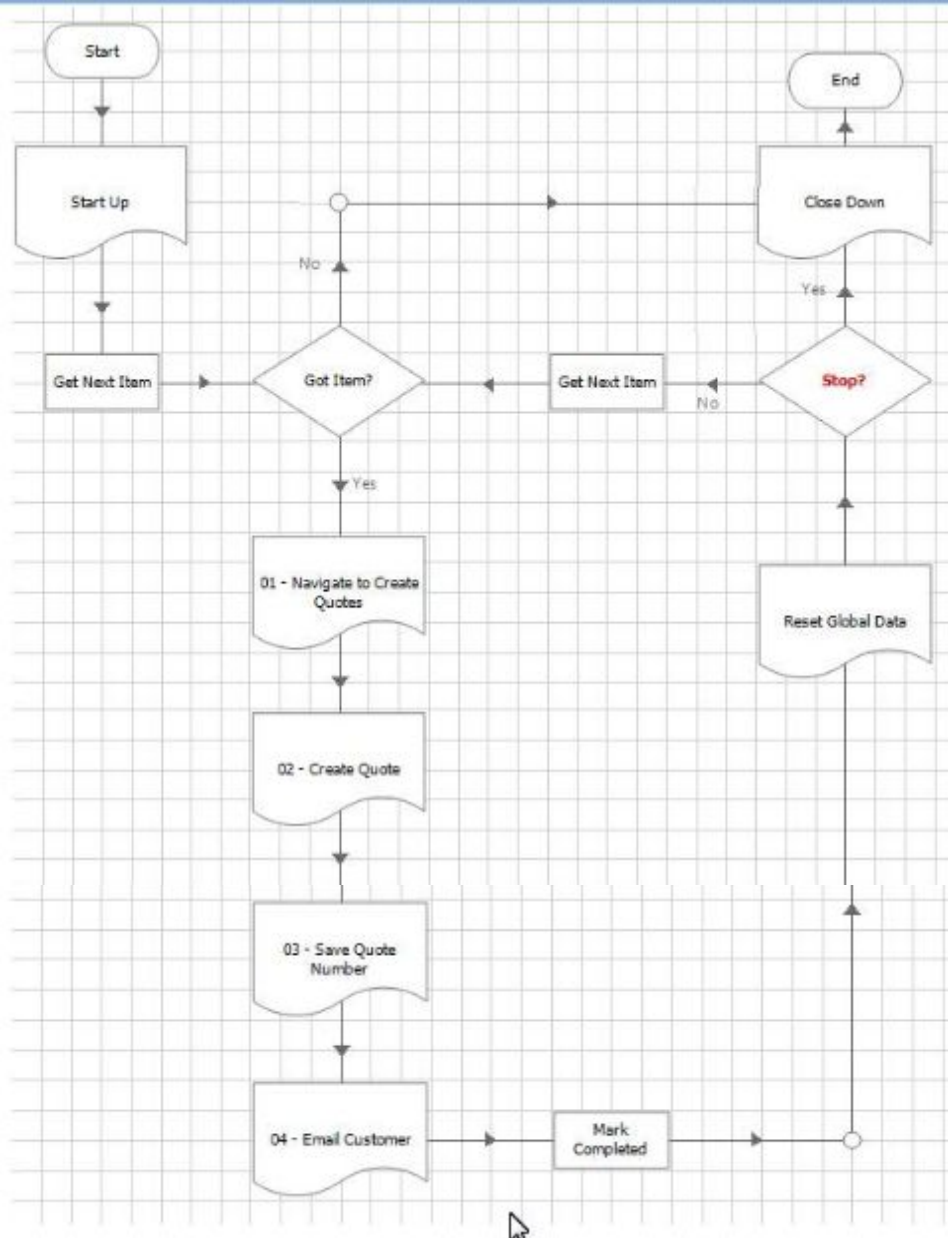
**Correct Answer: E**

**Section:**

#### QUESTION 78



Consider the following process flow from the Main Page of a process in Process Studio:



Thinking about the standard Blue Prism Process Templates, what is wrong with this Main Page process flow?

- A. There is nothing wrong with the Main Page flow shown in the image, it is a copy of Blue Prism's standard Process Template
- B. The Stop? decision stage should be removed from the process flow, as Stop time is Configured either within the Scheduler process are stopped via Control Room.
- C. The Main Page process flow is too high level For better visibility of the process logic the flow steps hidden in the sub-pages should all be on the main page instead.
- D. There is no exception handling on this Main Page so any exceptions that 'bubble up' will cause the process to terminate rather than exceptions being handled correctly.
- E. The Reset Global Data page is not required because sub-page within a process should always use input parameter rather than global data items. There should be no global data to reset.

**Correct Answer: D**

**Section:**

**QUESTION 79**

Which of the following can you perform in the System -> Workflow area of Blue Prism? (select all that apply)

- A. View the contents of a Work Queue
- B. Refresh a Work Queue

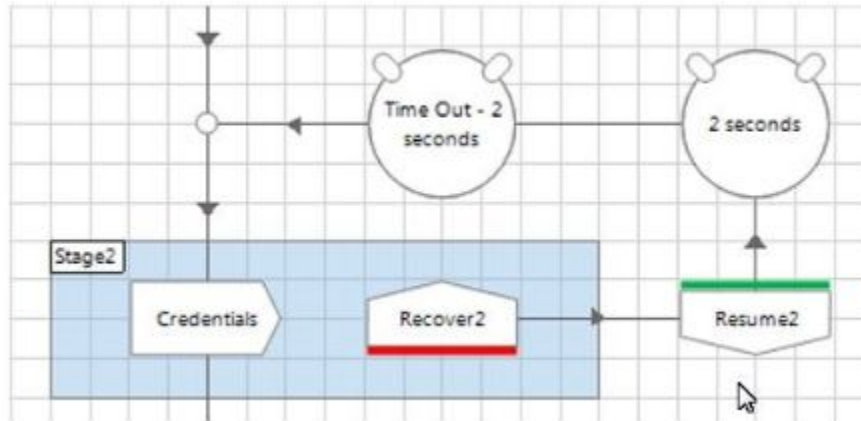
- C. Encrypt a Work Queue
- D. create a Work Queue

**Correct Answer: C, D**

**Section:**

**QUESTION 80**

Consider the following flow within an Object Studio action:



The developer of this flow found that writing some credentials to the target application sometimes failed with an exception even though the element exists on the screen. He found that simply catching the exception, waiting for 2 seconds and then retrying fixed the problem.

What problems do you see within the flow?

- A. The Resume stage is not within the same Exception Block as the Recover stage and therefore will not work
- B. There is a potential for an infinite loop if the Credentials' stage keeps throwing an exception for some unforeseen reason
- C. The credentials stage is a read stage not a write stage
- D. There is no need for a wait stage in the flow

**Correct Answer: B**

**Section:**

**QUESTION 81**

Which of the following indicates a case has been worked successfully in a Work Queue?

- A) 
- B) 
- C) 
- D) 

- A. Option A
- B. Option B

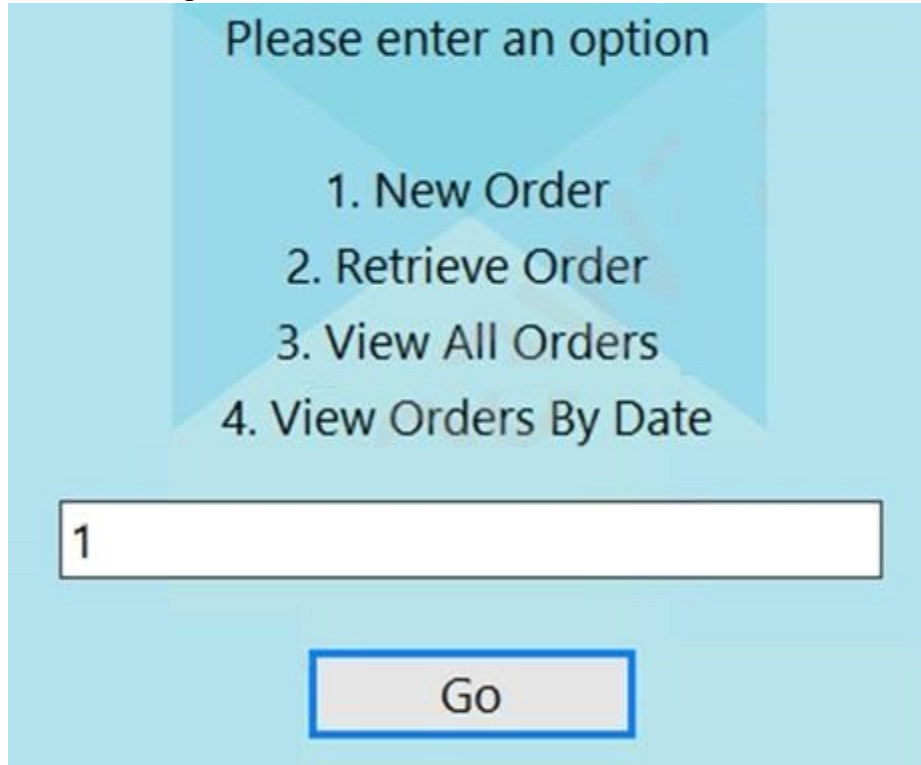


- C. Option C
- D. Option D

**Correct Answer: A**  
**Section:**

**QUESTION 82**

When working with the orders area of the Centrix Data Solutions order system, there is a requirement to enter an order menu option in the field located above the Go button:



The menu option field element in Application Modeller has been configured as follows:

**Element Details**

Name:

Description:

Element Type:  Data Type:

**Attributes** | Notes

Name	Mat...	Match Type	Value
Window Text	<input checked="" type="checkbox"/>	= (Equal)	1
Visible	<input checked="" type="checkbox"/>	= (Equal)	True
Screen Visible	<input checked="" type="checkbox"/>	= (Equal)	True
Enabled	<input checked="" type="checkbox"/>	= (Equal)	True
Class Name	<input checked="" type="checkbox"/>	= (Equal)	WindowsForms10.EDIT

Which Attribute should be un-ticked to ensure the menu option field element can be consistently recognized?

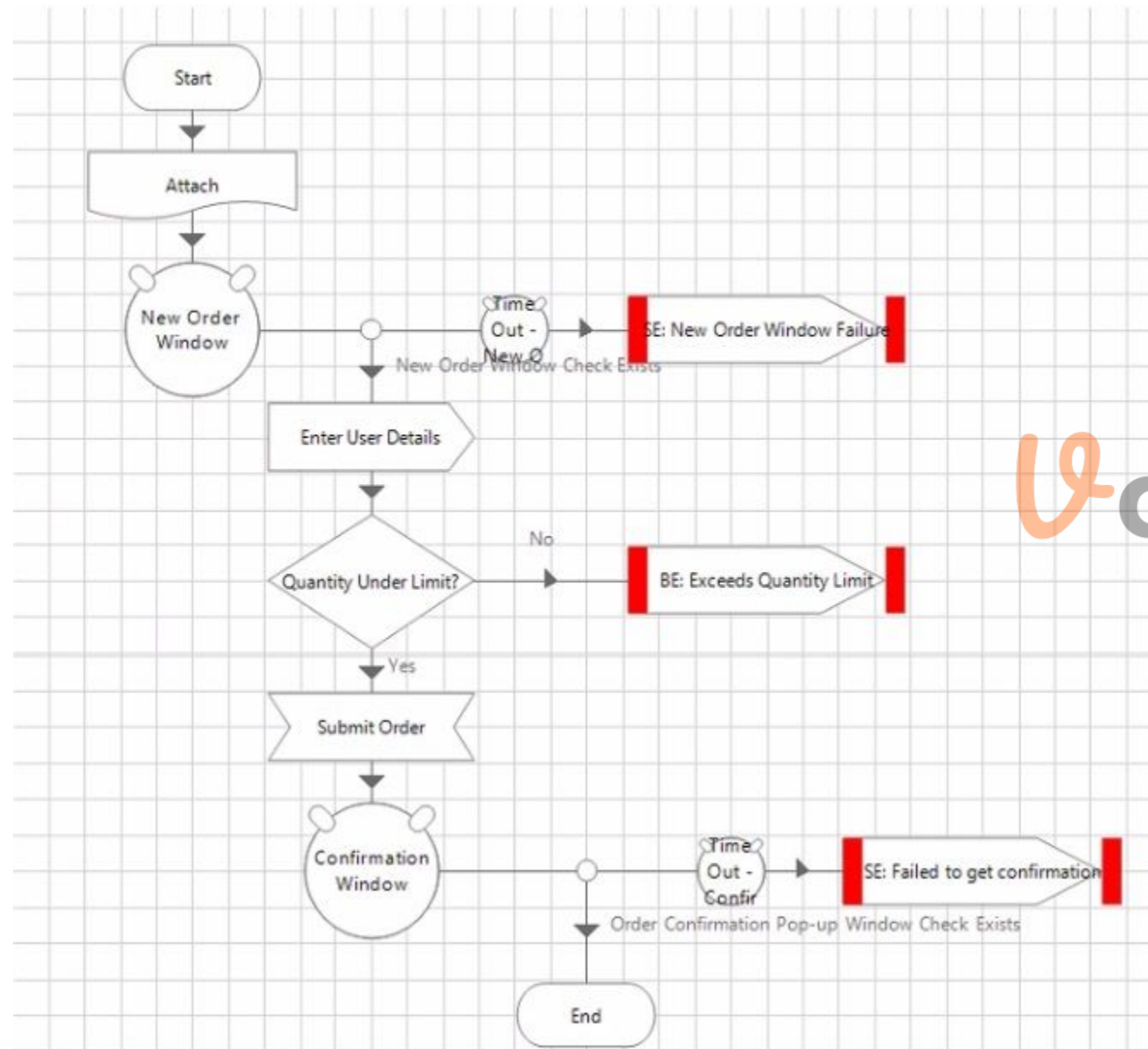
- A. Visible

- B. Class Name
- C. Enabled
- D. Window Text
- E. Screen Visible

**Correct Answer: D**  
**Section:**

**QUESTION 83**

Please refer to the exhibit.



Here's one of the Actions in a Business Object that is used to place orders in an application. What best practice for Object Design is NOT followed in this Action page?

- A. Use a conditional Wait stage to confirm the screen change
- B. The timeout of the Wait stage should lead to a System Exception
- C. An action page should first confirm if the application is connected
- D. Avoid applying business rules and decision-making logic in an Action

**Correct Answer: D**

**Section:**

**Explanation:**

The provided diagram represents an Action page in a Business Object that is used to place orders. According to best practices for Object Design in Blue Prism, actions should primarily focus on interacting with the application rather than containing business rules or decision-making logic. The following points explain why Option D is the correct answer:

Avoid applying business rules and decision-making logic in an Action (Option D): Business rules and decision-making should be handled in Process Studio, not in Object Studio. The decision regarding 'Quantity Under Limit?' in the diagram is a business rule and should be part of the process logic, not the object logic.

Other options are essential best practices but are not violated here:

Use a conditional Wait stage to confirm the screen change (Option A): This is followed as the diagram shows a Wait stage confirming the screen change.

The timeout of the Wait stage should lead to a System Exception (Option B): This is followed as the diagram shows a system exception being thrown upon a timeout.

An action page should first confirm if the application is connected (Option C): This is followed as the action begins by checking the connection to the 'New Order Window.'

Reference Refer to Blue Prism's best practices for Object Design, which emphasize separating process logic and object interaction logic.

#### QUESTION 84

There are multiple rows of conditions in the Properties window of the Wait Stage. Which of the following is TRUE?

- A. The Wait Stage will sequentially check each condition, it does not require all conditions to be met
- B. If all conditions are met before the Timeout period expires, the process will continue
- C. If no conditions are met, an internal error will appear and terminate the process
- D. The Wait Stage will simultaneously check all conditions and follow the logic of whichever condition is met first

**Correct Answer: B**

**Section:**

**Explanation:**

In Blue Prism, the Wait stage is used to pause the process until specific conditions are met or a timeout occurs. The following points explain why Option B is the correct answer:

If all conditions are met before the Timeout period expires, the process will continue (Option B): This is the correct behavior of the Wait stage. If the specified conditions are met before the timeout period, the process will continue without waiting for the entire timeout duration.

The other options are incorrect:

The Wait Stage will sequentially check each condition, it does not require all conditions to be met (Option A): This is incorrect because the Wait stage does not check conditions sequentially but rather waits for any specified condition to be met.

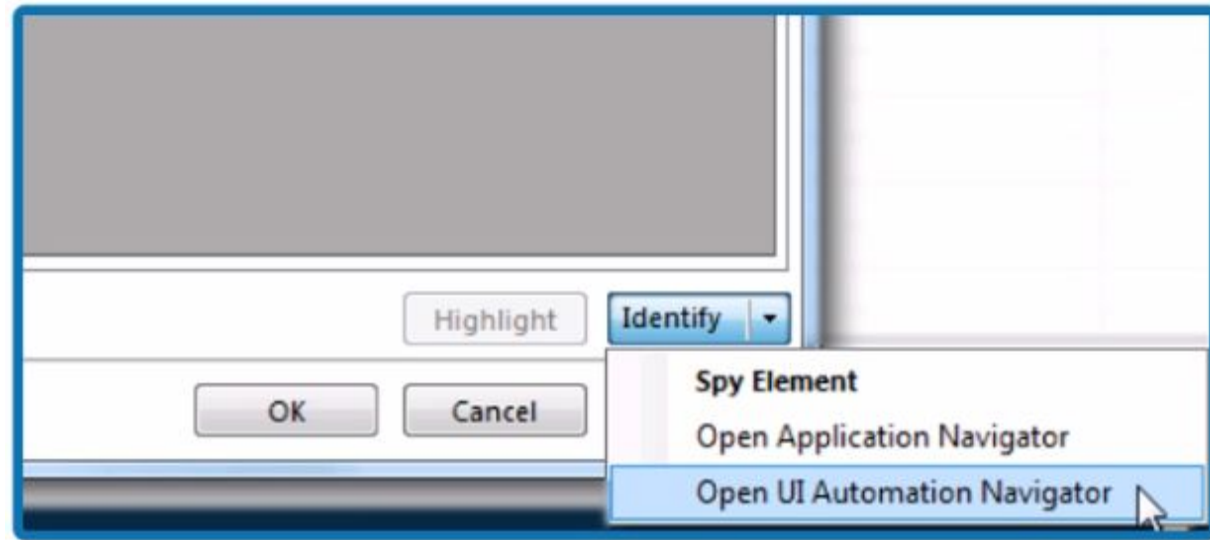
If no conditions are met, an internal error will appear and terminate the process (Option C): This is incorrect; if no conditions are met within the timeout period, the process will follow the timeout path, which may or may not terminate the process depending on how it is handled.

The Wait Stage will simultaneously check all conditions and follow the logic of whichever condition is met first (Option D): This is incorrect because the Wait stage waits for any one of the conditions to be met before the timeout, rather than following the logic of the first met condition.

Reference Refer to Blue Prism's documentation on the Wait stage and its behavior in processes, highlighting how conditions and timeouts are managed.

#### QUESTION 85

Please refer to the exhibit.



When clicking the drop-down on Identify in the Application Modeller, what is the difference between the Spy Element option and the Navigator options?

- A. Spy Element enables you to identify an element using their attributes, and the Navigator options are used for visible elements on the screen
- B. Spy Element enables you to identify an element to use in the Application Modeller and the Navigator options are used for debugging when a match cannot be found
- C. Spy Element enables you to choose from a tree of possible elements to use in the Application Modeller, and the Navigator options require you to visually find and manually select the element to identify
- D. Spy Element enables you to manually identify an element to use in the Application Modeller, and the Navigator options displays a tree of elements available to choose from

**Correct Answer: D**

**Section:**

**Explanation:**

In Blue Prism's Application Modeller, the 'Identify' button offers different options for identifying and working with elements in an application. Understanding the difference between the 'Spy Element' and 'Navigator' options is crucial for effective element identification and automation design.

**Spy Element (Option D):** This option allows you to manually identify an element to use in the Application Modeller. When you select 'Spy Element,' you manually click on the element within the application to capture its attributes and use them for automation.

**Navigator Options (Option D):** The Navigator options, including 'Open Application Navigator' and 'Open UI Automation Navigator,' display a tree of elements available to choose from. These navigators allow you to browse through a hierarchical view of elements in the application, making it easier to select and identify elements that might be difficult to manually spy.

The other options are incorrect because:

**Option A:** This does not accurately describe the functionality of the Spy Element and Navigator options.

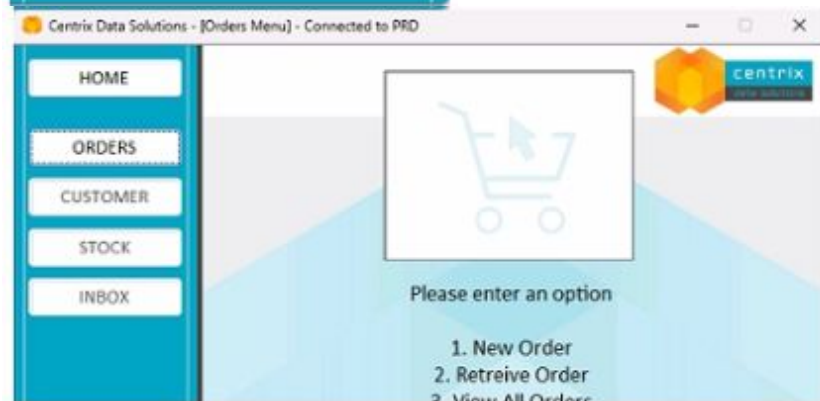
**Option B:** This option misrepresents the primary use of the Navigator options, which is for browsing and selecting elements rather than debugging.

**Option C:** This is the reverse of the actual functionality. The Spy Element is used for manual identification, while the Navigator options display a tree of elements.

Reference Consult Blue Prism's documentation and user guides on Application Modeller and element identification methods to understand the distinct functionalities of Spy Element and Navigator options.

**QUESTION 86**

Please refer to the exhibits.





The Developer needs to ensure Blue Prism best practices are followed in respect to naming conventions and layout

How would the Developer build an Object that Logs into the Application, and then Navigates the Orders page left-hand menu?

A)

**Business Object: Basic Actions – Centrix 01**

Action Pages:			
Launch	Attach	Login	Navigate

B)

**Business Object: Centrix Data Solutions – 01**

Action Pages:			
Launch	Attach	Login	Orders

C)

**Business Object: Basic Actions – Centrix 01**

Action Pages:				
Launch	Attach	Login	Navigate	Terminate

D)

**Business Object: Centrix Data Solutions – Basic Actions**

Action Pages:				
Launch	Attach	Login	Navigate	Terminate

- A. Option A
- B. Option B
- C. Option C
- D. Option D

**Correct Answer: C**

**Section:**

**Explanation:**

To ensure Blue Prism best practices are followed in respect to naming conventions and layout, the developer should design the object with the following action pages: Launch, Attach, Login, Navigate, and Terminate. Each of these action pages serves a distinct purpose, making the object modular and easier to maintain.

Launch: This action page is used to start the application.

Attach: This action page is used to attach to the running instance of the application.

Login: This action page is used to handle the login process.

Navigate: This action page is used to navigate through different menus or pages within the application.

Terminate: This action page is used to close the application properly.

Option C follows these best practices by including Launch, Attach, Login, Navigate, and Terminate action pages, ensuring the object is well-structured and adheres to naming conventions.

The other options do not fully comply with these best practices:

Option A: Does not include a Terminate action page, which is important for cleanly closing the application.

Option B: Uses 'Orders' instead of a more generic 'Navigate' and does not include Terminate.

Option D: Similar to Option C but uses 'Centrix Data Solutions - Basic Actions' instead of the more specific naming convention 'Basic Actions -- Centrix 01.'

Reference Refer to Blue Prism's best practices documentation on Object Design, emphasizing modularity, clear naming conventions, and distinct action pages for different functionalities.

#### QUESTION 87

The Developer is debugging an action page in a Business Object by stepping through the stages which interact with the application. What will happen when they click Reset on an Action page in the Business Object?

- A. Focus will return to the Start stage in the Process Studio
- B. Focus will move to the Start stage on the Launch action
- C. Application window will be closed
- D. Application window will remain open

**Correct Answer: B**

**Section:**

**Explanation:**

Reset Action in Business Object:

When debugging an action page within a Business Object, clicking the Reset button will reset the focus to the Start stage of the current page.

Launch Action:

If the current action page includes stages that interact with an application, the focus will typically return to the Start stage of the Launch action, ensuring that the application is in the correct state for the next steps.

Application Window:

Resetting the action page does not automatically close the application window unless explicitly programmed to do so within the actions.

Blue Prism documentation on debugging and Business Object behavior during resets.

#### QUESTION 88

A Blue Prism Process works successfully when testing in the Process Studio but terminates in Control Room due to the exception stating screen elements were not found What should the Developer check first?

- A. The correct Spy mode was used to identify elements
- B. Application Modeller has a unique match for the screen element
- C. Wait Stages have been used effectively

D. The Attach page is published in the Business Object

**Correct Answer: A**

**Section:**

**Explanation:**

Spy Mode:

Blue Prism uses different spy modes (e.g., Win32, HTML, Region, etc.) to interact with various types of applications and elements within those applications.

Testing in Process Studio vs. Control Room:

A process may work in Process Studio because elements are correctly identified during testing, but it may fail in Control Room if the wrong spy mode was used, leading to elements not being found in the live environment.

First Check:

Verify that the correct spy mode was used to identify the screen elements. This ensures that the process can reliably locate and interact with these elements during runtime.

Blue Prism documentation on spy modes and element identification.

#### QUESTION 89

How can input data be added to a Startup Parameter before the process runs?

- A. Navigate to Startup Parameters in the Control Room Scheduler
- B. Navigate to Startup Parameters in the System area and select the correct Process
- C. Right-click the item in the Work Queue and select Startup Parameters
- D. Right-click the session in Control Room and select Startup Parameters

**Correct Answer: D**

**Section:**

**Explanation:**

Startup Parameters:

Startup parameters allow a process to be configured with specific input data before it runs. This can be used to customize the behavior of the process based on the provided inputs.

Setting Startup Parameters:

In Control Room, you can set startup parameters by right-clicking the session for the process you want to run and selecting 'Startup Parameters'.

This allows you to input the necessary data directly before the process starts, ensuring it runs with the correct configuration.

Blue Prism documentation on setting and using startup parameters.

#### QUESTION 90

The Developer is importing a Blue Prism release file.

What will happen if there is already a Business Object or VBO with the same name in the environment they are importing into?

- A. It will be imported with a suffix (2) on the file name
- B. The existing Object will be updated with the imported details
- C. A conflict error message will advise user to rename file before importing
- D. User will be prompted to rename new object or overwrite old object

**Correct Answer: D**

**Section:**

**Explanation:**

Importing Release Files:

When importing a Blue Prism release file, the system checks for conflicts with existing objects or VBOs in the environment.

Handling Conflicts:

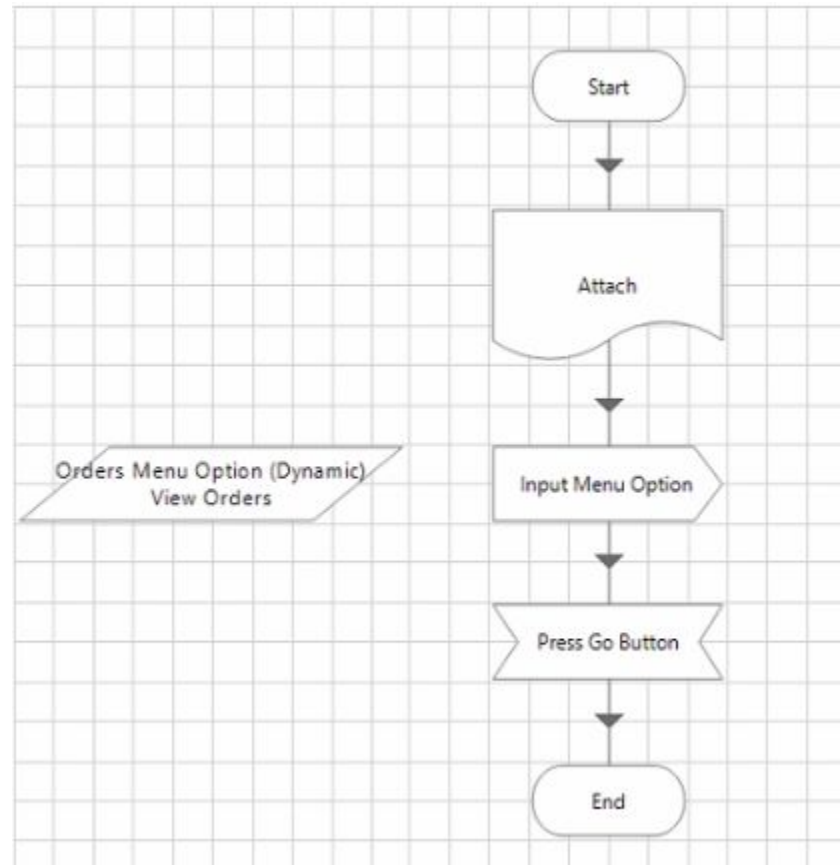
If there is already a Business Object or VBO with the same name in the environment, the user is prompted to either rename the new object or overwrite the existing one.

This ensures that the user can manage potential conflicts and maintain control over which version of the object is active in the environment.

Blue Prism documentation on importing release files and handling conflicts.

### QUESTION 91

Please refer to the exhibit.



How should the Wait Stages be configured in this scenario?

- A. Conditional Wait stage after the Attach page and the Write stage
- B. Conditional Wait stage after the Attach page and the Navigate stage
- C. Unconditional Wait stage after the Attach page and a Conditional Wait after the Write stage
- D. Unconditional Wait stage before the Attach' page and a Conditional Wait after the Navigate stage

**Correct Answer: B**

**Section:**

**Explanation:**

In Blue Prism, wait stages are crucial to ensure that the application is in the correct state before proceeding with further actions. In this scenario:

Conditional Wait stage after the Attach page: This ensures that after attaching to the application, the process waits until the necessary elements are present before continuing. This is important because the application may take some time to load or change states.

Conditional Wait stage after the Navigate stage: This ensures that after navigating, the process waits until the target elements are available. This helps to handle any delays in the application response or page loading times.

By configuring wait stages in this manner, you ensure that the process only proceeds when the application is ready, thereby minimizing the risk of errors due to timing issues.

Other options are less optimal:

Unconditional Wait stage (Options C and D): These do not provide the necessary checks to confirm the application's state and can lead to unreliable automation.

Wait stage after the Write stage (Option A): This is less relevant if the critical steps are attaching and navigating, which are the primary steps where timing issues are likely to occur.

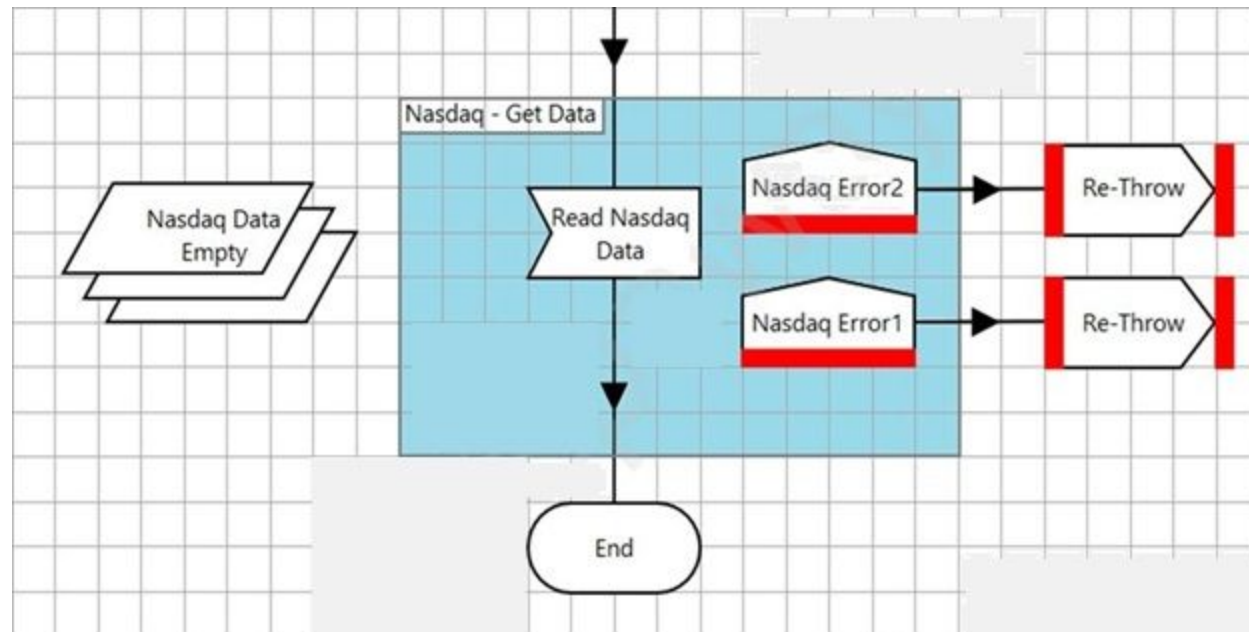
Reference Refer to Blue Prism's best practices on using wait stages to synchronize process execution with the application state.

### QUESTION 92

Examine the following extract taken from an Action in Object Studio:







What will happen if an Exception occurs in the 'Read Nasdaq Data' stage?

- A. The 'Nasdaq Error1 Recover stage will receive Error1 Exceptions, and the 'Nasdaq Error2' Recover stage will receive Error2 Exceptions
- B. The 'Nasdaq Error' Recover stage will receive the Exception as stages and the order of priority are decided using the stage name, which are sorted in ascending order
- C. An Exception Block will allow multiple Recover stages to be placed in the block, however only one of them will be responsive to receiving exceptions, therefore it is impossible to predict what will happen
- D. The 'Nasdaq Error2' Recover stage will receive the Exception as it placed above the 'Nasdaq1 Error' Recover stage in the Action flow
- E. An Internal Exception will be thrown as an Exception Block cannot contain 2 blocks

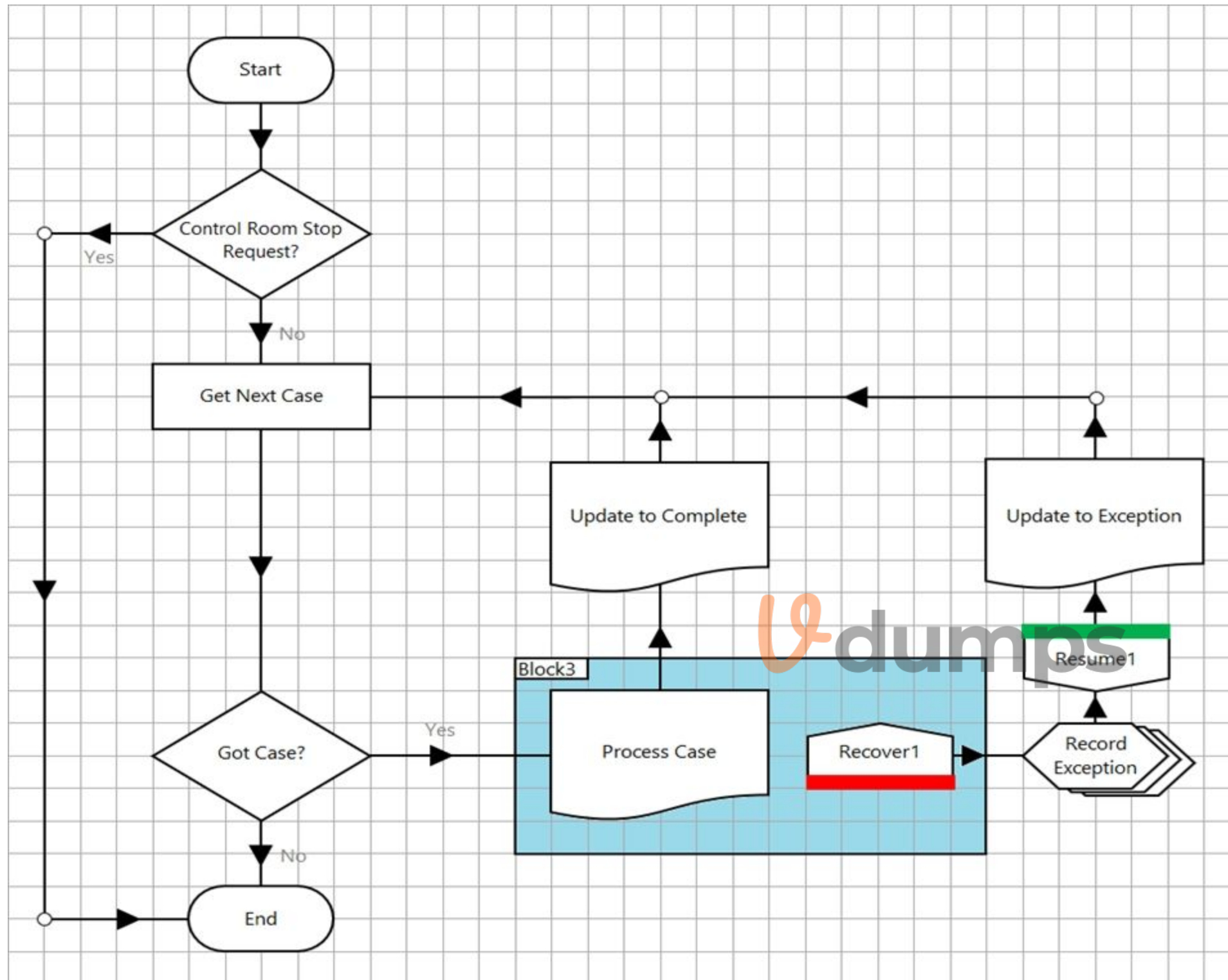
**Correct Answer: A**

**Section:**



**QUESTION 93**

Examine the following Blue Prism Process diagram:



The Process contains logic in the 'Control Room Stop Request?' Decision stage, to recognise when a Process Controller has used the 'Request Stop' feature in Control Room, to bring the Process to a controlled stop. What expression would you use in the 'Control Room Stop Request?' Decision stage, to ensure that the Process recognises that the Control Room 'Request Stop' command has been triggered? (Remember, Blue Prism expressions are case sensitive)

A.

**Correct Answer:**

**Section:**

**Explanation:**

<https://bpdocs.blueprism.com/bp-6-10/en-us/frmControlRoom.htm>

#### QUESTION 94

A Blue Prism Process has been developed which contains steps to extract data from a delimited file.

During development, the Developer saves the delimited file to C:\BP\_Proc\Temp folder on their virtual desktop and adds a data item to the process to store this file path. This data item is then used in the process steps to extract the file data.

The production Process must read this file from a network folder, and as the Blue Prism production environment is locked down, the Process configuration cannot be edited in this environment.

How could the data item 'exposure' be updated, so that the process can read the data item containing the relevant file path, regardless of the environment the process is being executed in?

- A. Update the data item exposure to 'Statistic'
- B. Update the data item exposure to 'Environment'
- C. Update the data item exposure to 'Session'
- D. Update the data item exposure to 'Shared'

**Correct Answer: B**

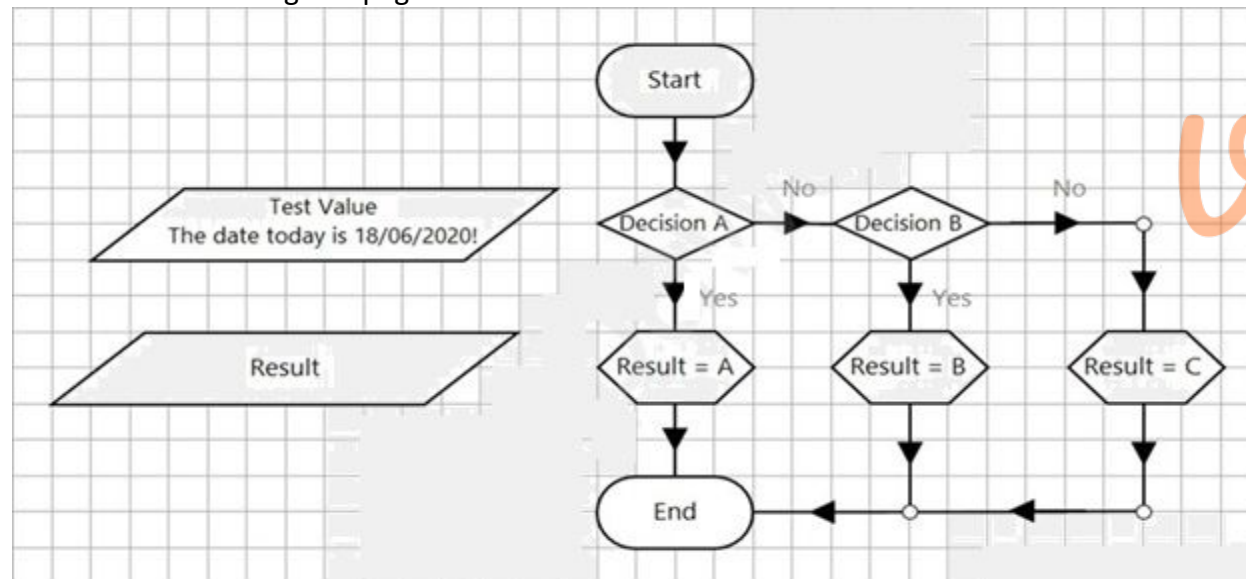
**Section:**

**Explanation:**

Environmental variables are those variables that are available to all processes and business objects. So, these variables are used as dynamic variables, to make sure they can be used whenever required across the Blue Prism platform.

#### QUESTION 95

Examine the following sub-page of a Blue Prism Process:



The 'Decision A' stage properties window is displayed below:

Decision Properties

Name: Decision A

Description:

Expression

```
InStr([Test Value], "today is ##/##/2020") > 0
```

Validate Evaluate Expression

The 'Decision B' stage properties window is displayed below:

Decision Properties

Name: Decision B

Description:

Expression

```
EndsWith("!", [Test Value])
```

Validate Evaluate Expression

The Calculation stages will output A, B or C to the Result data item.  
What will the value of the Result data item be after this page has been run?

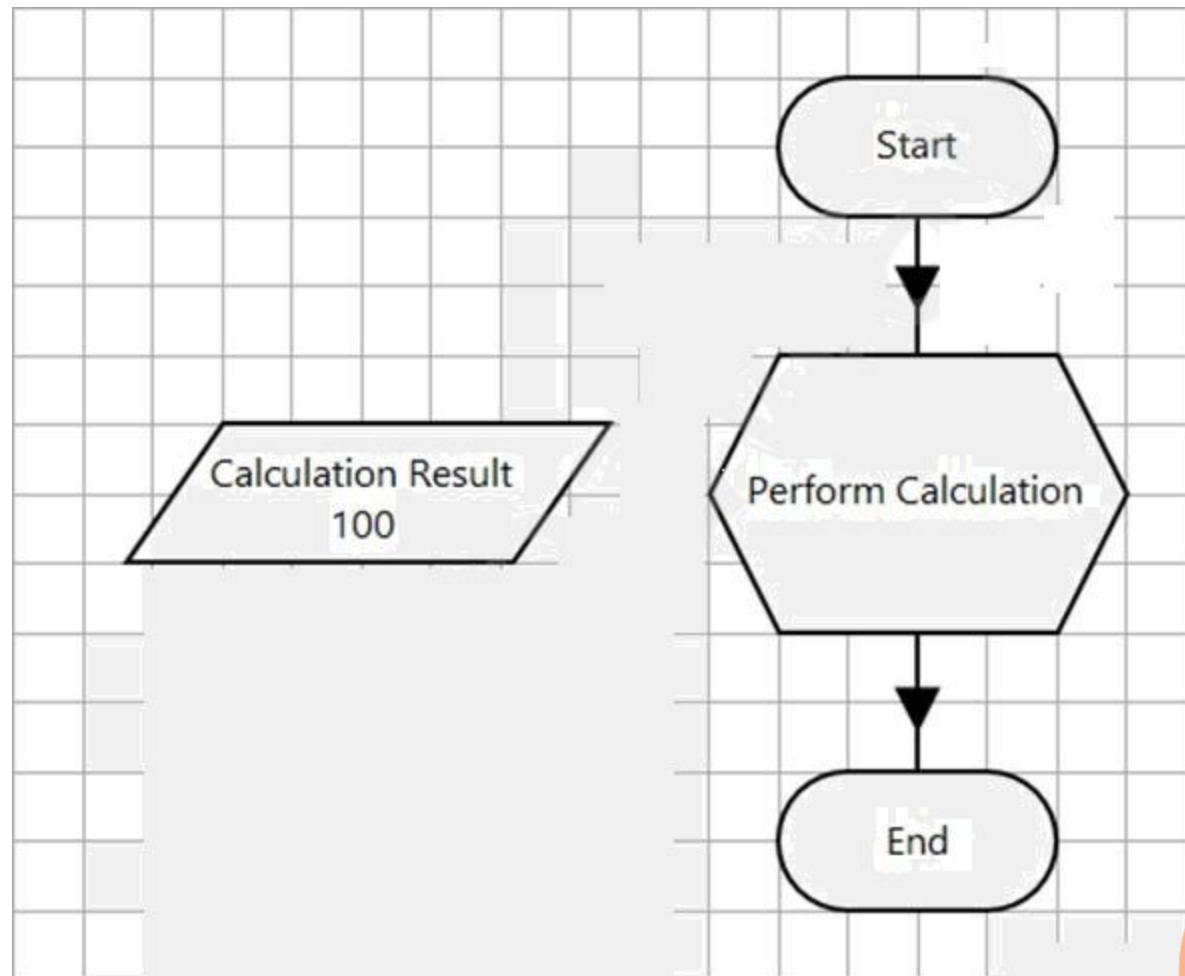
- A. C
- B. B
- C. Blank - an internal exception will be thrown
- D. A

**Correct Answer: D**

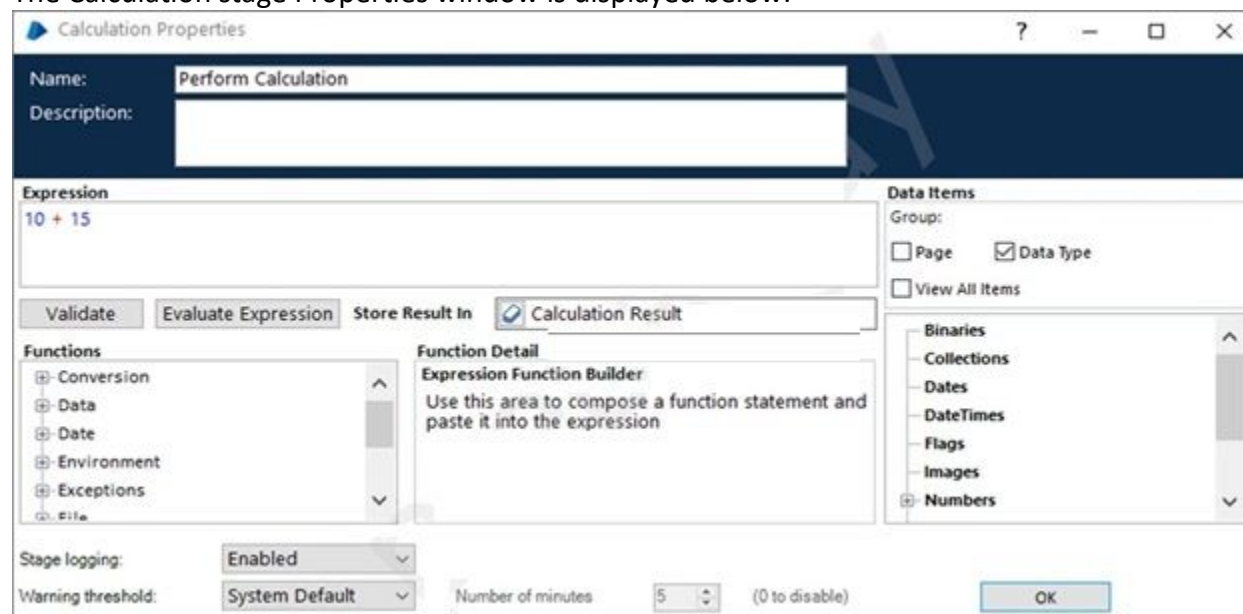
**Section:**

**QUESTION 96**

Examine the following Blue Prism Process diagram:



The 'Calculation Result' data item is configured as a number data item with an initial value of 100. The Calculation stage Properties window is displayed below:



After the Process flow has run, which of the following statements are true?

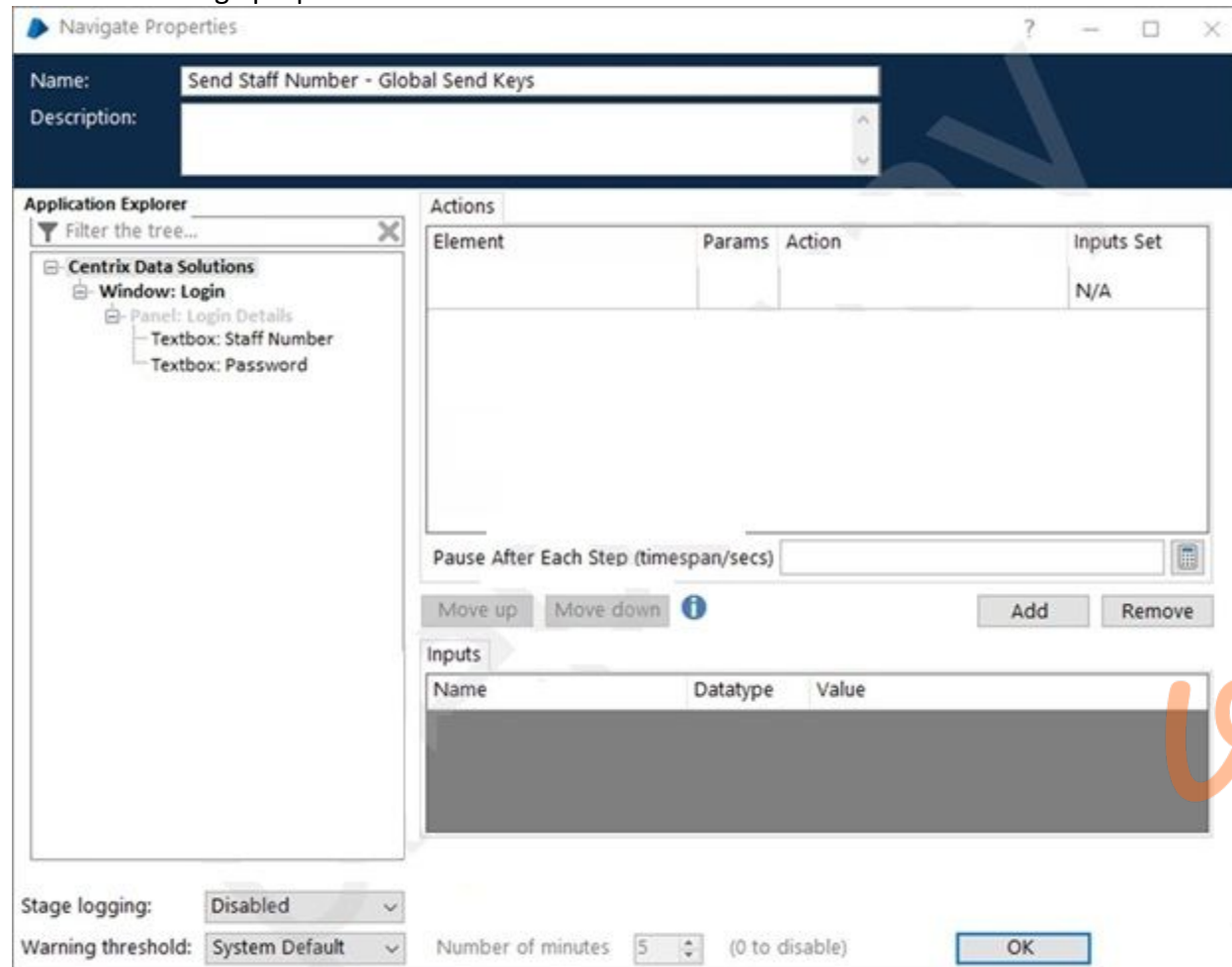
- A. The 'Calculation Result' data item value will be 25
- B. The 'Perform Calculation' Calculation stage will throw an exception
- C. The 'Calculation Result' data item value item will be 125
- D. None of these statements are true

**Correct Answer: C**

**Section:**

**QUESTION 97**

An Action in a Business Object needs to use Global Send Keys to populate the 'Staff Number' field in an application called Centrix Data Solutions. The application is in focus and the cursor is placed in the Staff Number field. Examine the stage properties window below:



In order to configure a Global Send Keys action to populate the Staff Number field, which element in the Application Explorer tree displayed above, would you drag to the Element column in the stage, so that this operation can be complete?

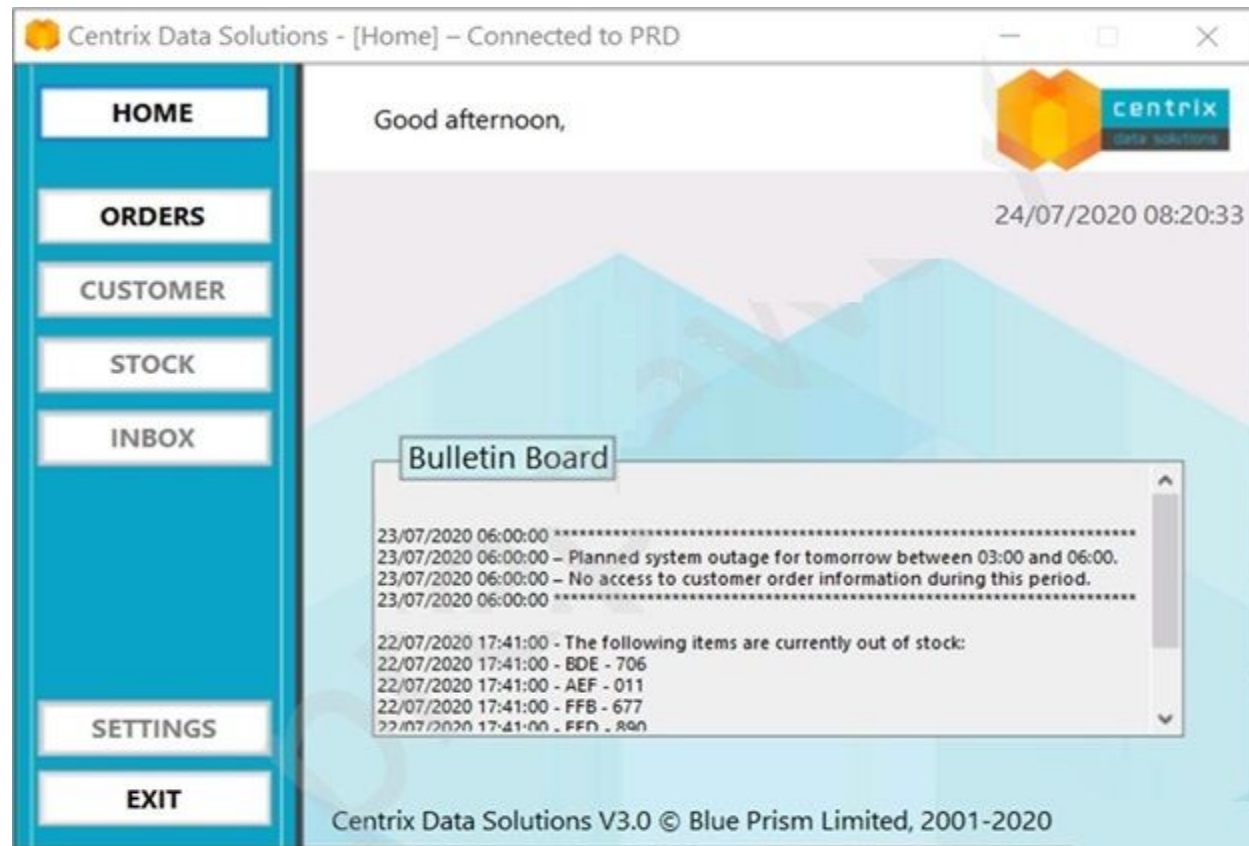
- A. Textbox: Staff Number
- B. Window: Login
- C. Panel: Login Details
- D. Centrix Data Solutions

**Correct Answer: A**

**Section:**

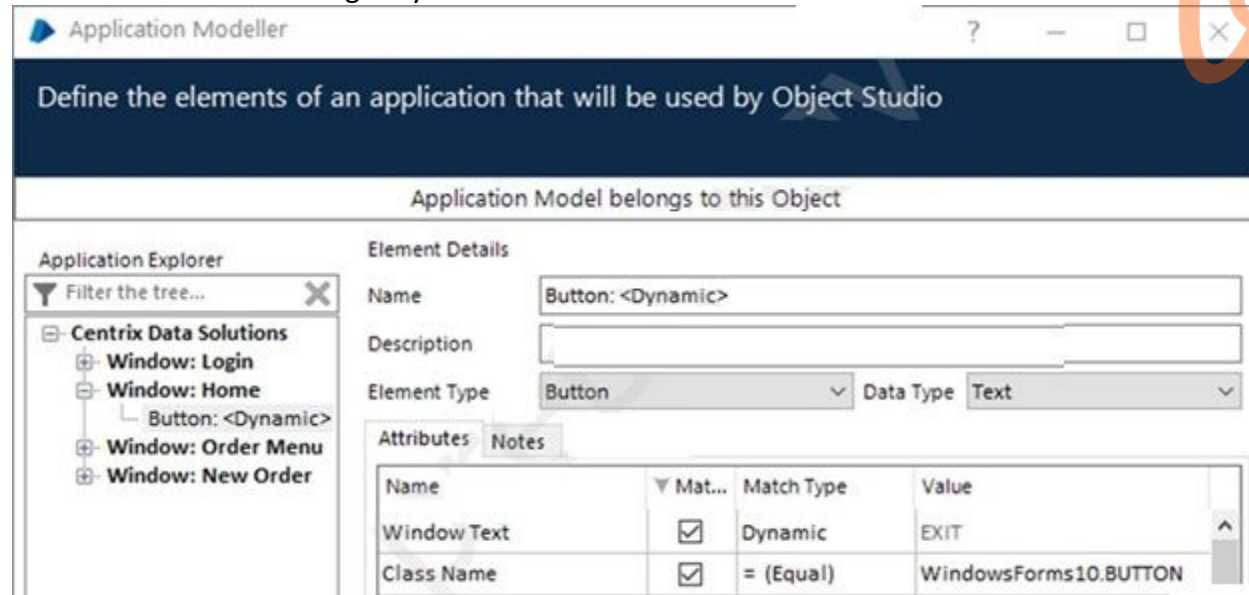
**QUESTION 98**

The main menu of the application Centrix Data Solutions consists of a series of buttons, as displayed below:

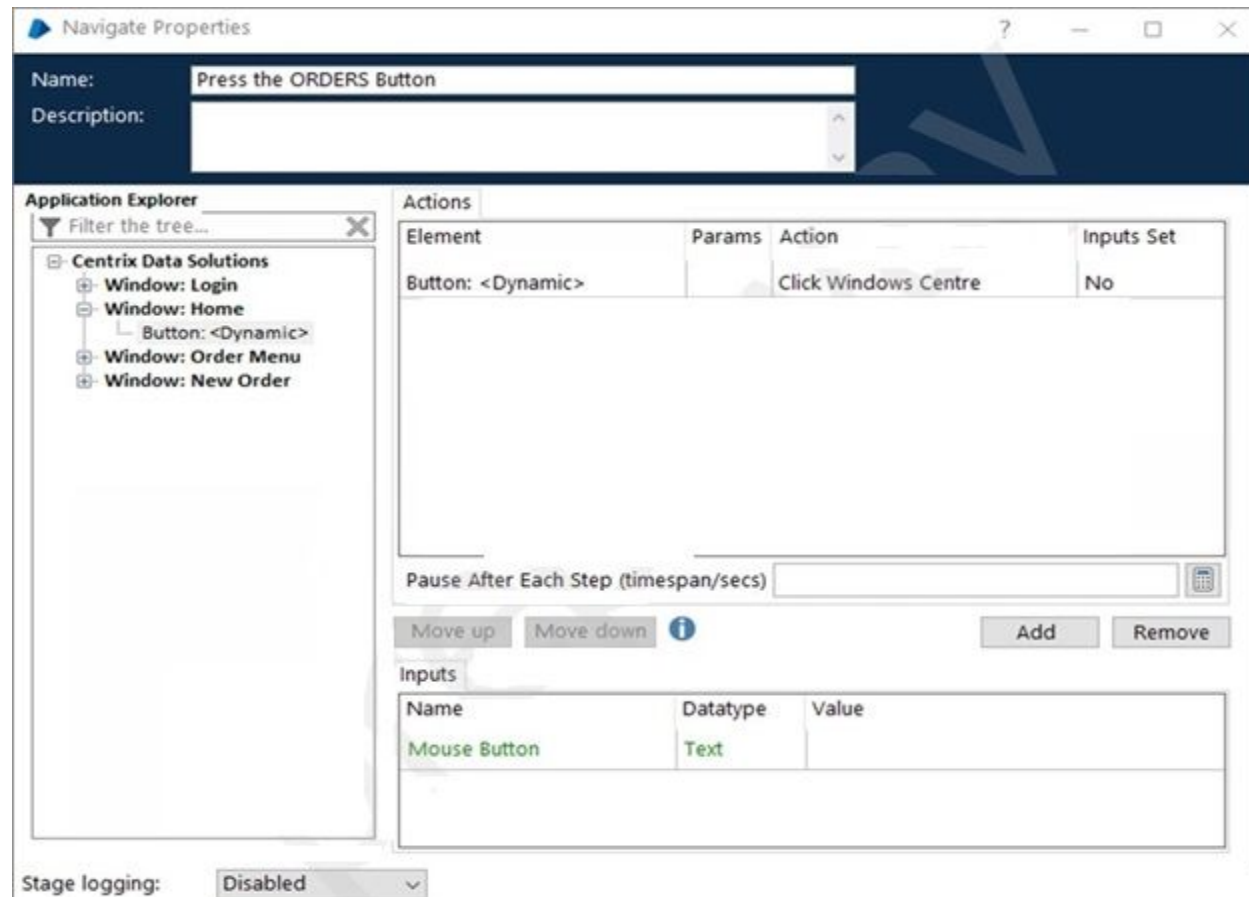


When the buttons spied, the element attributes are all identical, with the exception of the Window Text attribute which differs. The Window Text values for each of the buttons displayed above, are 'HOME', 'ORDERS', 'CUSTOMER', 'STOCK', 'INBOX', 'SETTINGS' and 'EXIT'.

It is described to use a single Dynamic element to interact with each of the menu buttons. The Dynamic button element has been spied and has the following attributes set:



A Navigate stage has been configured to press the ORDERS button:



To ensure the Navigate stage can click the ORDERS button successfully, what additional configuration is required in the Navigate stage?

- A. Update the 'Mouse Button' Inputs value to 'ORDERS1'
- B. Using the Params button to open the Application Element Parameters window, the Window Text match value must be set to 'ORDERS'
- C. A new element is required with the Window Text value set to 'Orders' and the Match Type set to equal
- D. The ORDERS button cannot be clicked using this Dynamic button element, because the Window Text attribute value in Application Modeller is set as EXIT

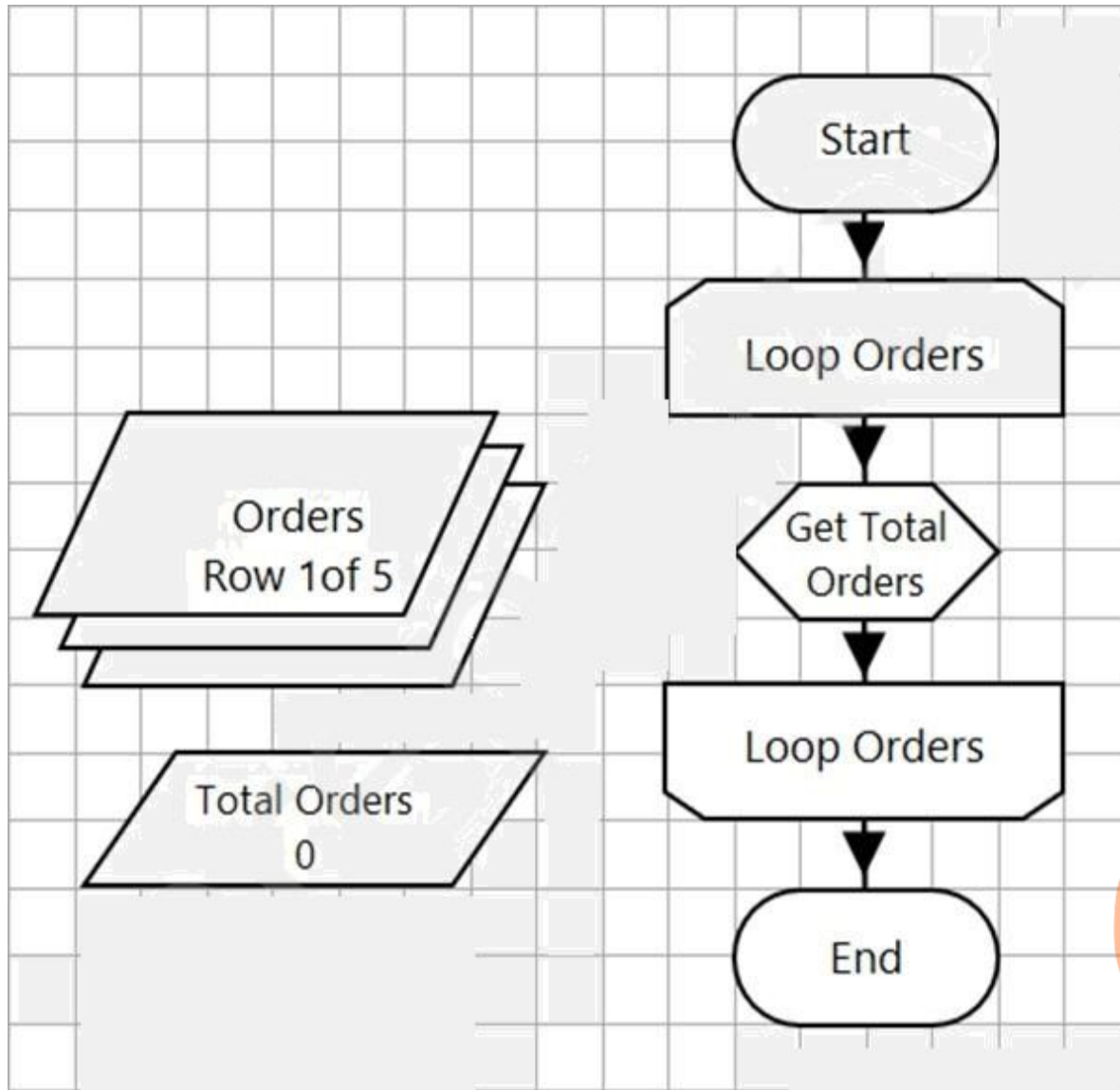
**Correct Answer: B**

**Section:**

**QUESTION 99**

Examine the following Process flow, which calculates the total number of orders:





 Vdumps

The 'Orders' Collection contains the following data:

Fields	Initial Values	Current Values
Reference (Text)		Quantity (Number)
90001		10
90002		15
90003		2
90004		6
90005		11

The 'Loop Orders' loop is configured to loop through the 'Orders' Collection.

The 'Total Orders' data item is configured as a number data item with an initial value of 0.

The 'Get Total Orders' Calculation stage contains the following expression:

Calculation Properties

Name: Get Total Orders

Description:

Expression

$[Orders.Quantity] + [Total Orders]$

Validate Evaluate Expression Store Result In  Total Orders

What will the Total Orders data item value be after the page has executed?

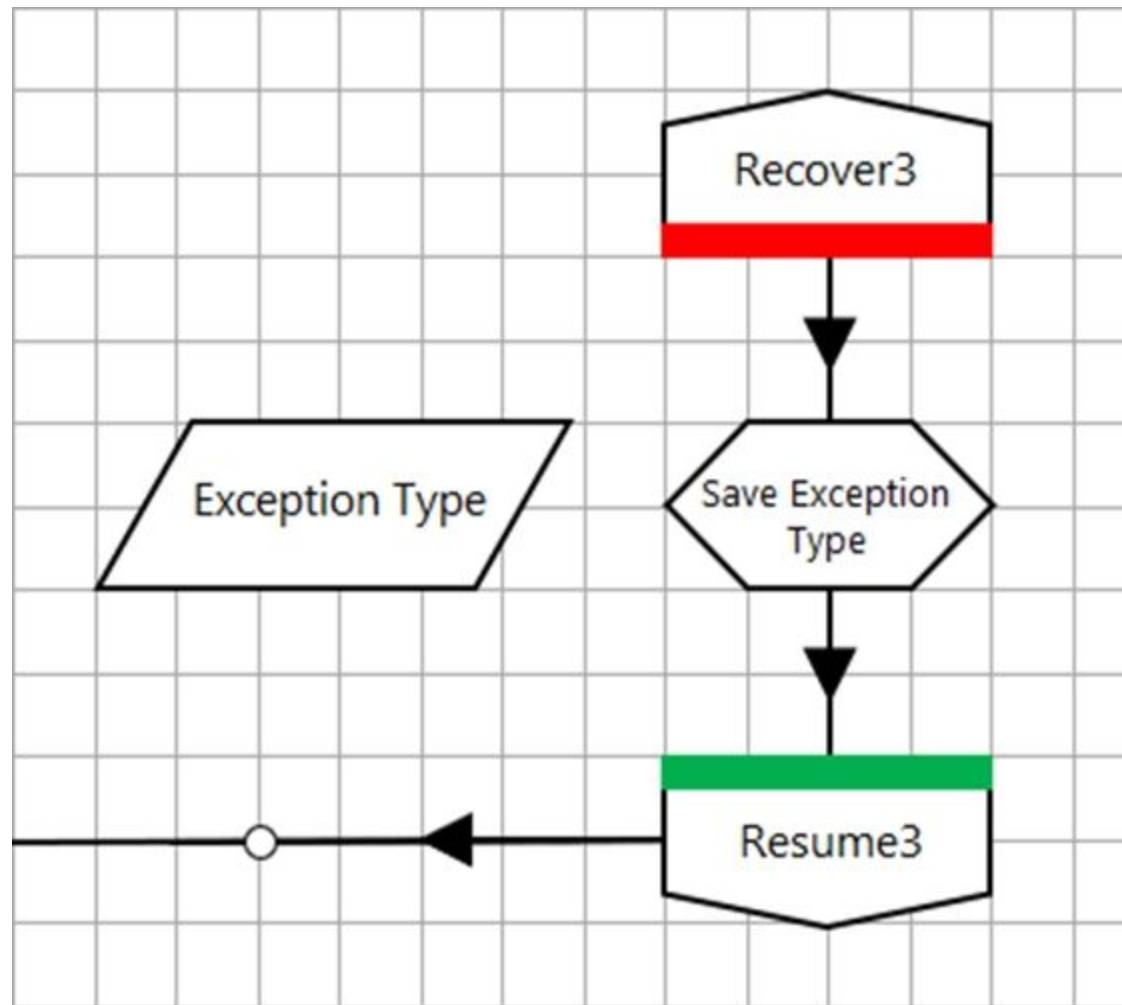
- A. 0
- B. 11
- C. 10
- D. 44

**Correct Answer: D**  
**Section:**

**QUESTION 100**

Examine the following recover flow taken from a Blue Prism Process:





The 'Exception Type' data item has no initial value and has a data type of text.

The Calculation stage 'Save Exception Type' will output the current exception type to the 'Exception Type' data item.

What expression would you use in the 'Save Exception Type' stage to achieve this?

A.

**Correct Answer: A**

**Section:**

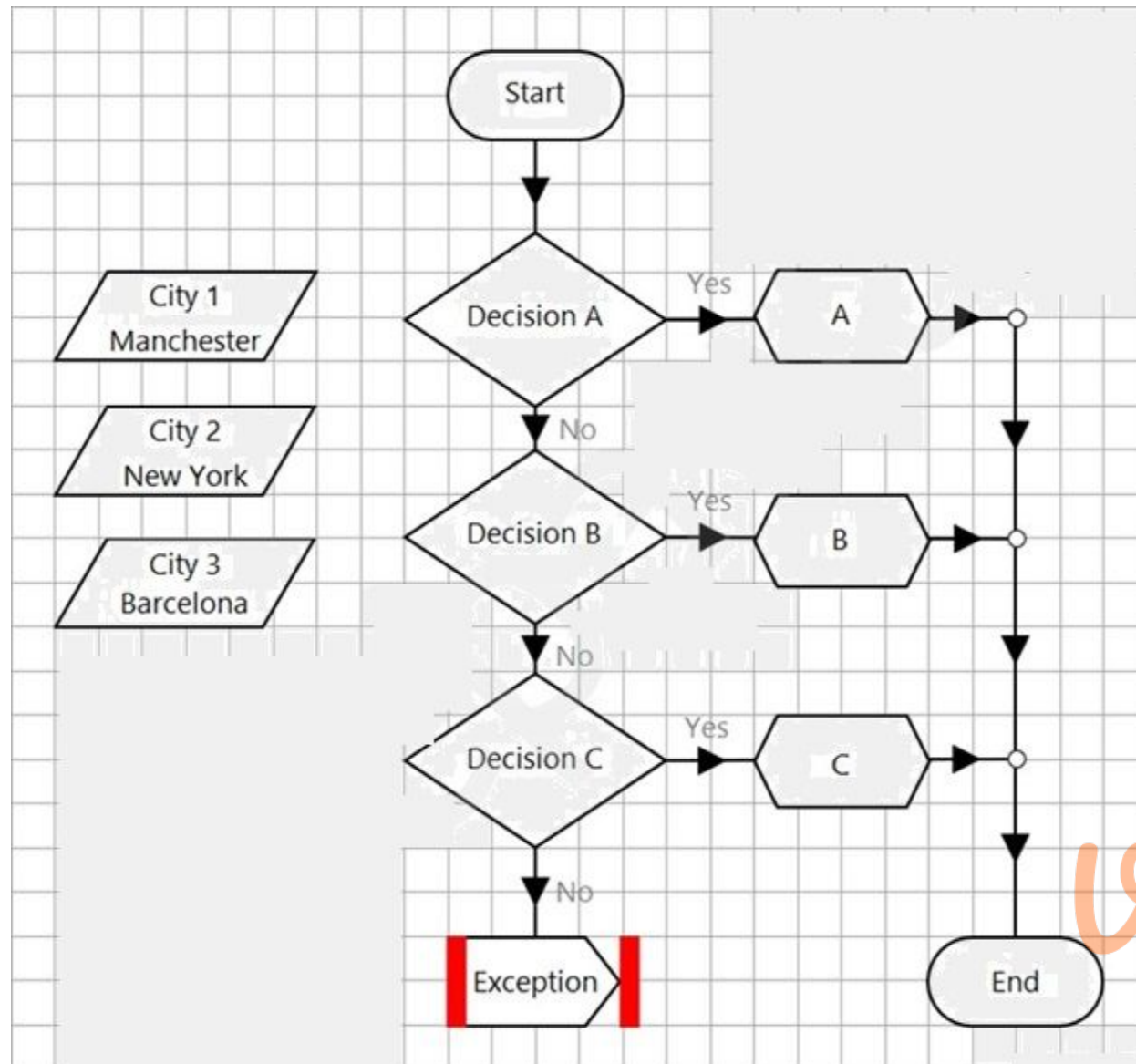
**Explanation:**

<https://bpdocs.blueprism.com/bp-6-8/en-us/helpExceptions.htm>

**QUESTION 101**

Examine the following Blue Prism Process diagram:

 **vdumps**



The initial values for the 3 data items are displayed in the diagram above.

The expression in 'Decision A' is:

`InStr([City 1], 'm') > 0`

The expression in 'Decision B' is:

`Upper([City 2]) = 'NEWYORK' OR Replace( 22/07/2020, '/' . '-') = '22-07-2020'`

The expression in 'Decision C' is:

`TrimEnd([City 3]) = 'Barcelona' AND Right([City 2],4) = 'York'`

What will happen when the process flow executes?

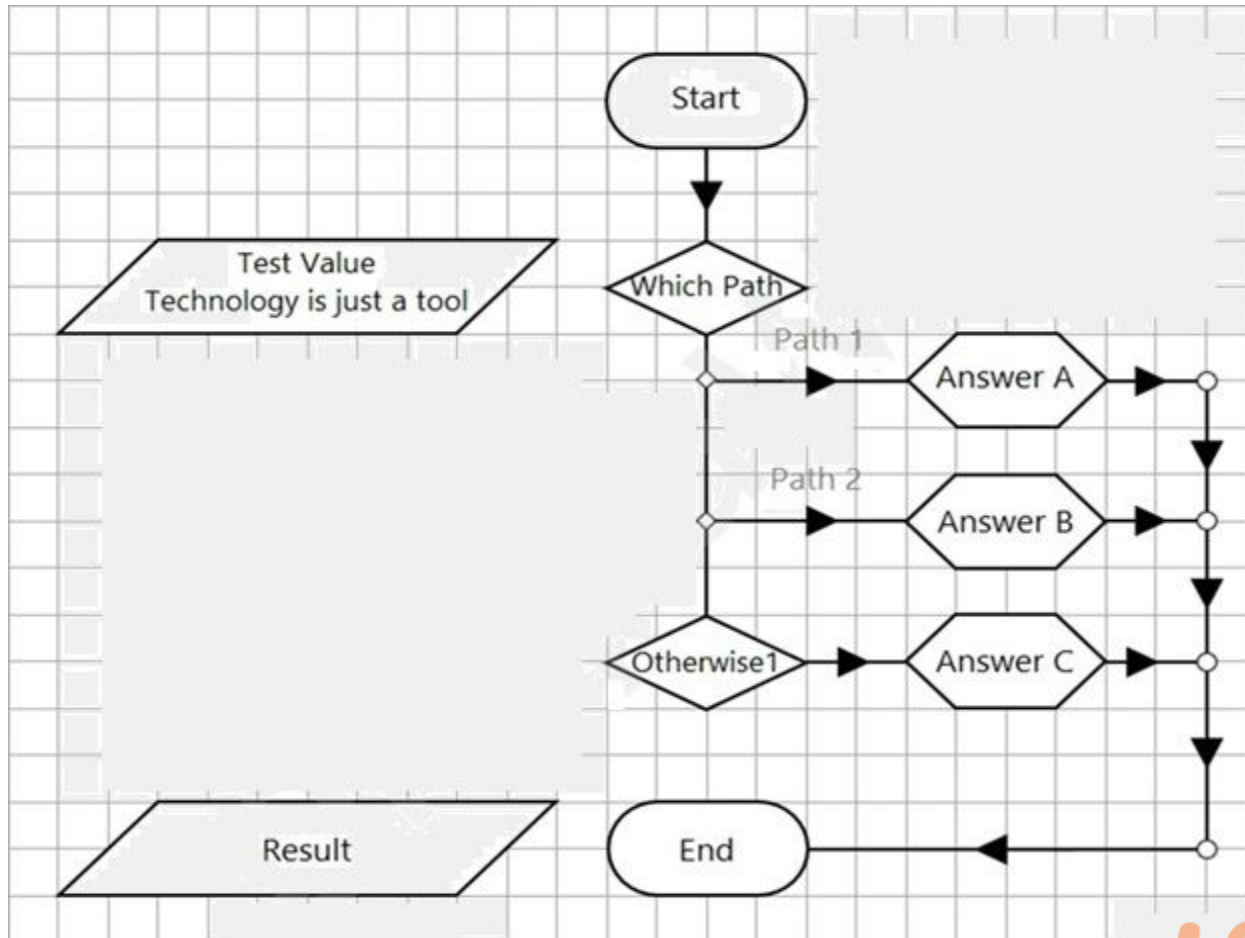
- A. The diagram will flow through the Calculation stage named 'A'
- B. The diagram will flow through the Calculation stage named 'B'
- C. From the information available, the outcome is unknown
- D. The diagram will flow through the Calculation stage named 'C'

**Correct Answer: D**

**Section:**

**QUESTION 102**

Examine the following Page of a Blue Prism Process:



The expressions of each of the Calculation stages are provided below:

**Choice Properties**

Name: Which Path

Description:

Choice Name	Choice Criterion
Path 1	StartsWith([Test Value], "Technology")
Path 2	Right([Test Value],5) = "tool!"

**vdumps**

Calculation Properties

Name: Answer A

Description:

Expression

A

Validate Evaluate Expression Store Result In  Result

Calculation Properties

Name: Answer B

Description:

Expression

B

Validate Evaluate Expression Store Result In  Result

Calculation Properties

Name: Answer C

Description:

Expression

C

Validate Evaluate Expression Store Result In  Result

What will the value of the Result Data Item be after the page has run?

- A. Result Data Item value will equal A
- B. An Internal Exception will be thrown
- C. Result Data Item value will equal C



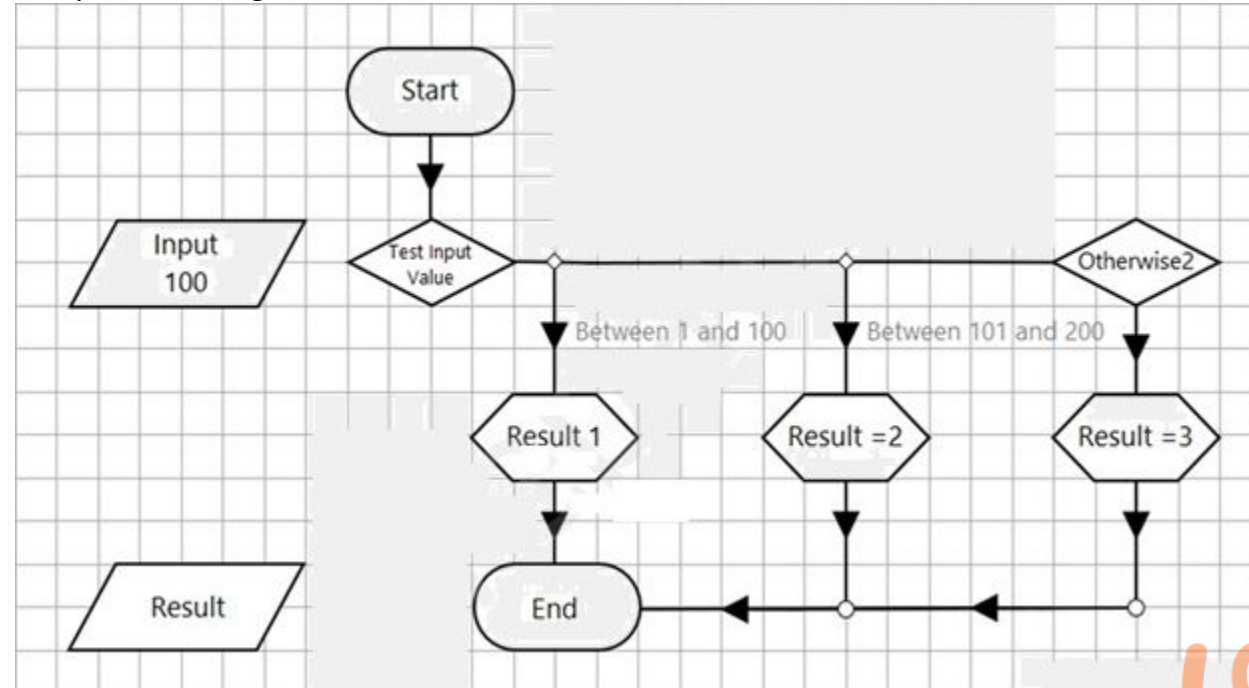
D. Result Data Item value will equal B

**Correct Answer: A**

**Section:**

**QUESTION 103**

Study the following Process flow:



The Process flow is intended to test the value of the Input data item to determine if it falls within a range of numbers, and then assign a value as an output. The number ranges are defined as between 1 to 100, between 101 to 200, and anything outside these ranges.

The Calculation stages will set the value of the Result data item to 1, 2 or 3.

To enable the Process flow to work correctly, what is the correct expression for the Choice stage branch named 'Between 1 and 100'?

- A. [Input] >= 1 AND [Input] <= 100
- B. [Input] >= 1 AND <= 100
- C. [Input] >= '1' AND [Input] <= '100'
- D. [Input] >= 1 [Input] < 100
- E. [Input] BETWEEN 1 AND 100

**Correct Answer: B**

**Section:**

**QUESTION 104**

How would you run a Blue Prism Process on a virtual Digital Worker?

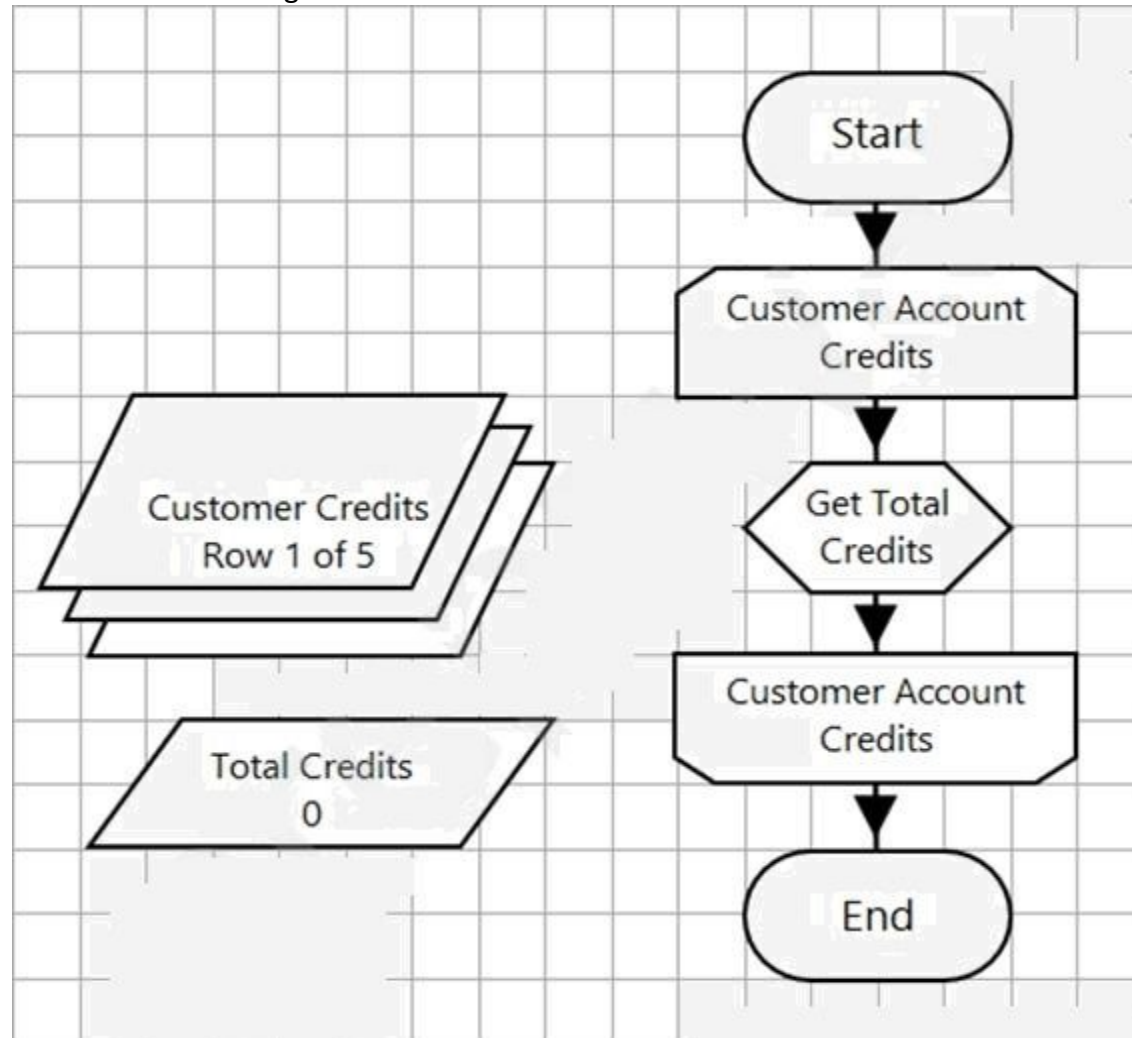
- A. Through Control Room
- B. Through the Digital Worker Management Console
- C. Through System Manager
- D. Through Process Studio
- E. Through Object Studio

Correct Answer: D

Section:

QUESTION 105

Examine the following Process flow:



The 'Customer Credits' Collection contains the following data:

Fields	Initial Values	Current Values
Date (DateTime)		Credit Amount (Number)
23/01/2020 10:00:05		10
25/01/2020 13:45:12		15
26/01/2020 15:05:02		3
27/02/2020 16:02:45		1
29/02/2020 11:02:12		2

The 'Customer Account Credits' loop is configured to loop through the 'Customer Credits' Collection.

The 'Total Credits' data item is configured as a number data item with an initial value of 0.

The 'Get Total Credits' Calculation stage contains the following expression:

vdumps



Calculation Properties

Name:

Description:

Expression

Validate Evaluate Expression Store Result In  Total Credits

What will the Total Credit data item value be after the page has executed?

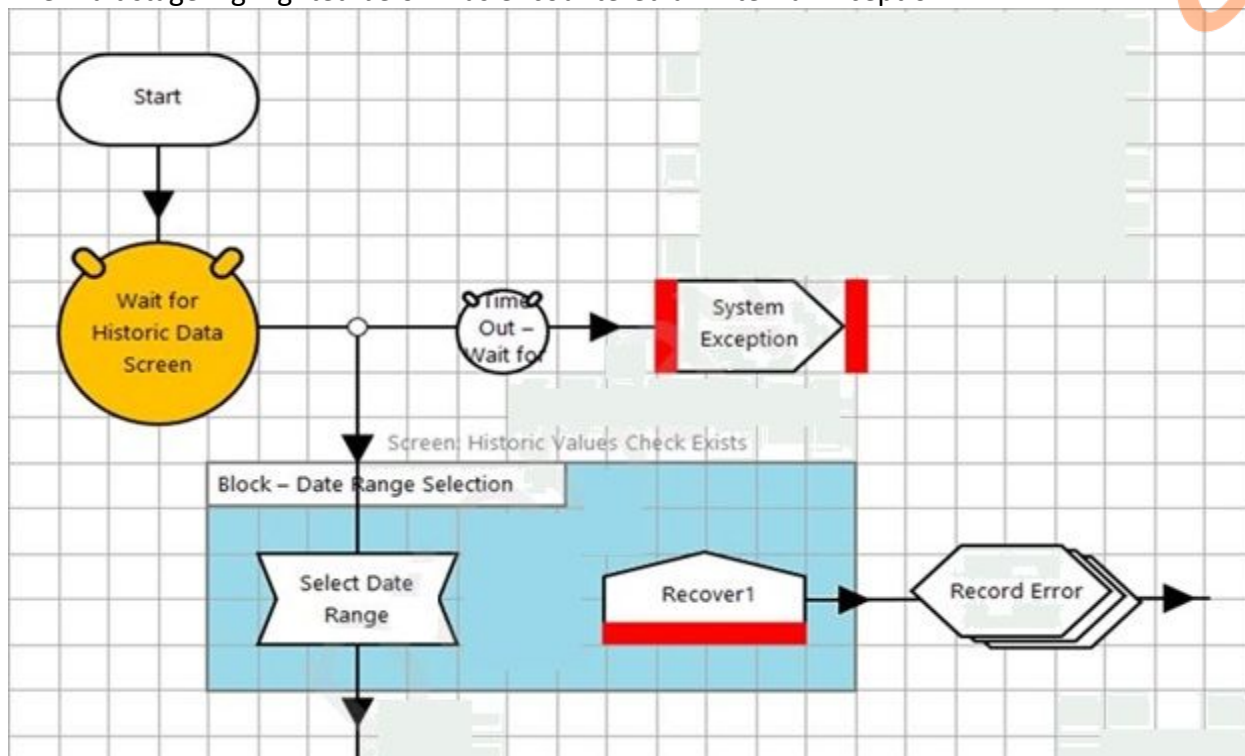
- A. An Internal Exception: 'Loop stage name mismatch' will be thrown
- B. 10
- C. 31
- D. 2

Correct Answer: A

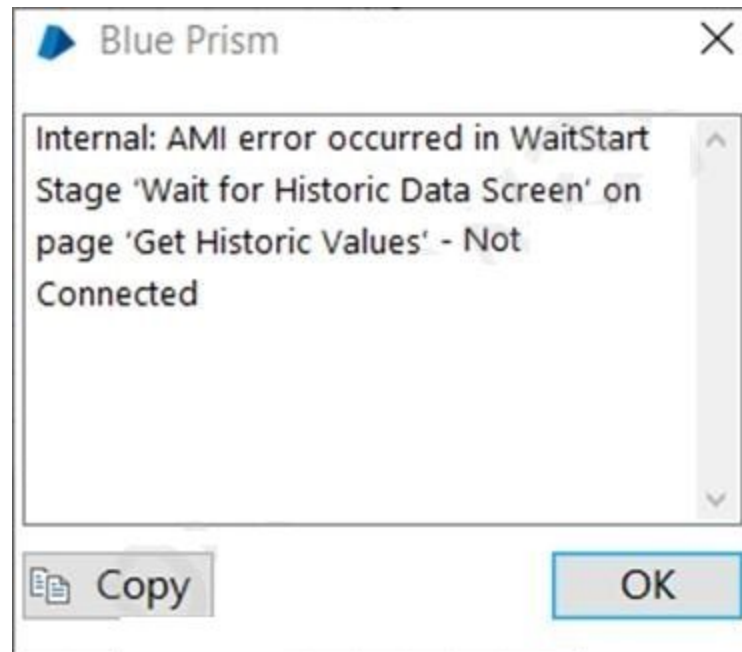
Section:

**QUESTION 106**

The Stock Value Calculator application has been launched successfully by a Business Object named 'Stock Value Calculator -- Basic Actions'. A second Business Object named 'Stock Value Calculator - Historic Values' is used to interface with the Historic Values screen within the application. The Wait stage highlighted below has encountered an Internal Exception:



Details of the Exception are provided below:



What action is required to present this error occurring?

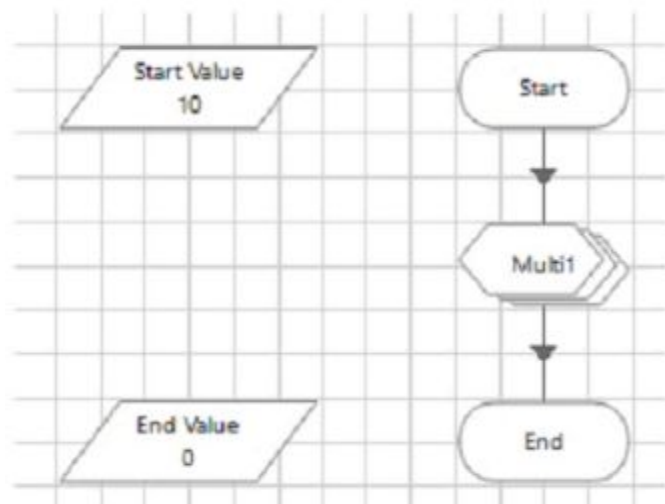
- A. The Business Object 'Stock Value Calculator - Historic Values' needs to be attached to the Stock Value Calculator application
- B. The Business Object 'Stock Value Calculator - Historic Values' must relaunch the Stock Value Calculator application
- C. The Business Object 'Stock Value Calculator - Basic Actions' needs to be attached to the Stock Value Calculator application
- D. The Business Object 'Stock Value Calculator - Historic Values' needs to activate the Stock Value Calculator application
- E. The Business Object 'Stock Value Calculator - Basic Actions' needs to activate the Stock Value Calculator application

**Correct Answer: D**

**Section:**

#### QUESTION 107

Examine the following Process flow:



The 'Start Value' data item is a number data item with an initial value of 10 The 'End Value' data item is number data item with an initial value of 0. The Multi Calc stage is configured as follows

Multiple Calculation Properties	
Name:	Multi1
Description:	
Expression	Store In
[Start Value] * 10	End Value
5 / [End Value]	Start Value
[End Value] + 10	End Value

After the page has been run what value will be assigned to the 'End Value\*' data item?

- A. The Internal Exception 'Failed to evaluate expression - Division by zero' will be thrown
- B. 100
- C. -10
- D. no
- E. 30

**Correct Answer: A**

**Section:**

**Explanation:**

The 'Multi1' calculation stage in the process flow attempts to perform multiple calculations sequentially. Here are the calculations and the issues they cause:

Initial Values:

Start Value: 10

End Value: 0

Calculations:

[Start Value] \* 10 stored in End Value:

$10 * 10 = 100$

Now, End Value is 100.

5 / [End Value] stored in Start Value:

$5 / 100 = 0.05$

Now, Start Value is 0.05.

[End Value] + 10 stored in End Value:

$100 + 10 = 110$

Now, End Value is 110.

However, if these calculations were performed strictly in the order they appear in the table, the initial End Value of 0 would cause a division by zero error on the second calculation (5 / [End Value]), resulting in an internal exception before any values could be reassigned. Therefore, the correct answer is that an internal exception for division by zero will be thrown.

Blue Prism Process Design guidelines

Error handling documentation in Blue Prism

#### QUESTION 108

How many End Stages can a sub-page in a Process have?

- A. 10



- B. 1
- C. Any Number
- D. 99

**Correct Answer: C**

**Section:**

**Explanation:**

In Blue Prism, a sub-page in a process can have any number of End stages. This is because sub-pages can be designed to handle various branches and paths, requiring multiple endpoints to conclude different process flows. This flexibility allows for more complex and branched process designs, enabling developers to manage various outcomes and logic paths efficiently.

Blue Prism Process Design guidelines

Sub-page design documentation in Blue Prism

#### **QUESTION 109**

If you change the value of a 'Session Variable1, when will the new value be available to a running Process?

- A. Immediately
- B. Next time a new case is taken from a Work Queue
- C. Next time the Process starts
- D. After the Digital Worker has been restarted

**Correct Answer: A**

**Section:**

**Explanation:**

Understanding Session Variables:

Session variables are specific to a running instance of a process and can be changed dynamically during the execution of the process.

Behavior of Session Variables:

When the value of a session variable is changed, it is designed to be immediately available to the running process. This allows for real-time adjustments and interactions during the process execution.

Conclusion:

The new value of a session variable is available to a running process immediately after it is changed.

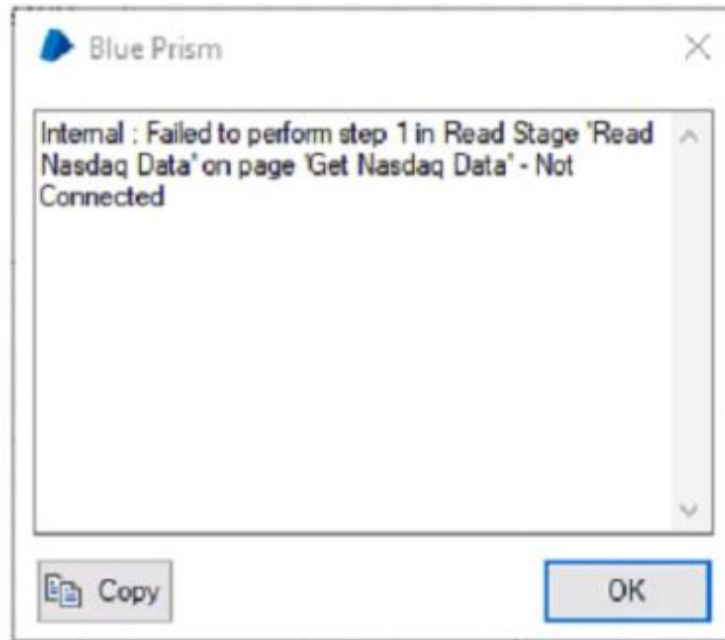
Blue Prism Developer Documentation: Session Variables

Blue Prism Training Material on Process Execution and Variable Management

#### **QUESTION 110**

A Blue Prism Process attempts to call an Action named 'Get Nasdaq Data' however it keeps causing the Process to fail

The Developer attempts to recreate the problem in the Development environment and discovers the following Exception is thrown:



Which of the following responses would explain the reason for this exception bang thrown?

- A. An internal error always indicates a problem with the Blue Prism product. The Blue Prism support team should be contacted for assistance
- B. The 'Get Nasdaq Data' Action is not published
- C. The Business Object containing the Action has not been associated with the application by either launching it or attaching to it
- D. The 'Get Nasdaq Data' Action no longer exists in the Business Object, but the Process is attempting to use it
- E. The 'Read Nasdaq Data' stage is not connected to another stage so it cannot execute

**Correct Answer: C**

**Section:**

**Explanation:**

Understanding the Exception:

The error message indicates that the read stage 'Read Nasdaq Data' failed because it was not connected.

This suggests that the business object might not be correctly attached to the application or not launched.

Analyzing Possible Causes:

Option A: Internal errors do not always indicate a Blue Prism product problem; they can also result from configuration issues.

Option B: If the action was not published, the error would likely indicate that the action could not be found, not an attachment issue.

Option D: If the action no longer existed, the process would not be able to call it, and the error would reflect that the action was missing.

Option E: The process flow shows the stages are connected, and an unconnected stage would not specifically cause an attachment error.

Most Likely Cause:

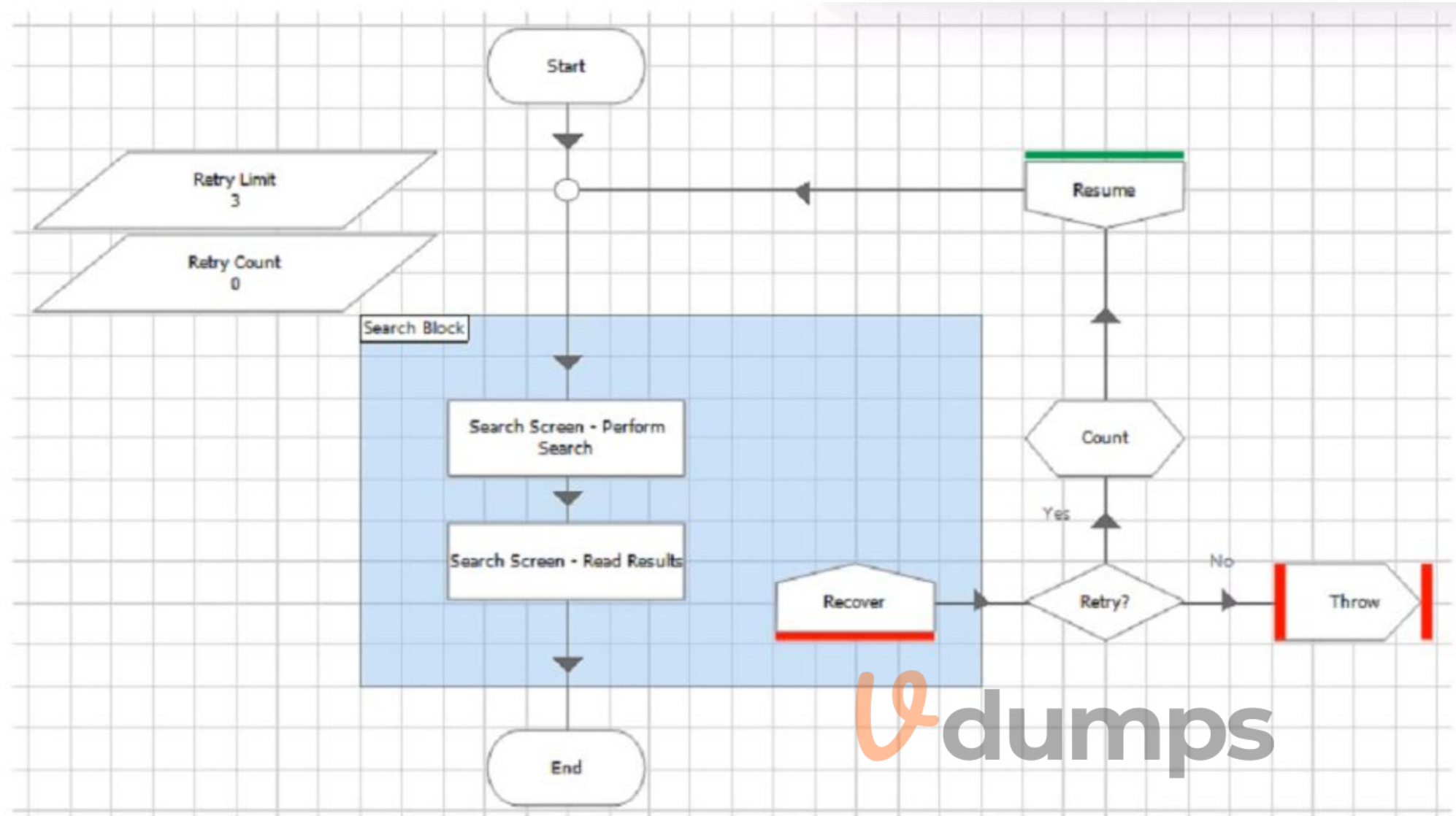
Option C is the most likely reason. If the business object is not associated with the application (either by launching or attaching to it), the action cannot be performed because Blue Prism does not have the necessary context to interact with the application.

Blue Prism Developer Documentation: Exception Handling and Troubleshooting

Blue Prism Training Material on Application Modelling and Object Association

**QUESTION 111**

Examine the following Blue Prism Process diagram:



The 'Retry Limit' data item is configured as a number data item, and has an initial value of 3. The 'Retry Count\*' data item is configured as a number data item, and has an initial value of 0. The 'Count' Calculation stage increases the value of the 'Retry Count' data item by 1. The 'Retry?' Decision stage contains logic to prevent more than 3 attempts. What is wrong with the current configuration?

- A. The Resume stage must also be within the exception block
- B. Sub-pages should not have retry logic Exception handling should be in the Object layer rather than in the Process
- C. The retry loop logic shown in the image is incorrect because it uses multiple action stages There should be a retry loop around every action
- D. The retry loop logic does not include any actions after the resume stage to ensure the application is ready to try the 'Search Screen - Perform Search' Action again

**Correct Answer: D**

**Section:**

**Explanation:**

Understanding the Diagram:

The diagram shows a retry loop where the process attempts to perform a search, read results, and handle exceptions by retrying up to 3 times.

'Retry Limit' is set to 3, and 'Retry Count' starts at 0 and is incremented by 1 in each retry attempt.

Analyzing the Logic:

Option A: The Resume stage should resume the process outside the exception block, which is correct.

Option B: Exception handling in the process layer is valid; it does not have to be exclusively in the object layer.

Option C: Each action does not need an individual retry loop; the overall block retry is acceptable.

Option D: This option highlights a missing step. After handling an exception and before retrying, the application needs to be reset or ensured it is ready to retry the 'Search Screen - Perform Search' action.

Identifying the Issue:

The retry logic should include steps to ensure the application state is appropriate for another search attempt. This might include resetting fields, waiting for the application to be ready, or ensuring the previous error state is cleared.

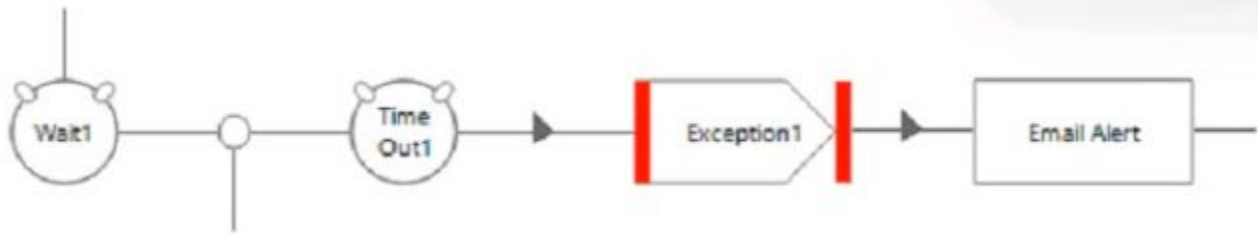
Blue Prism Developer Documentation: Exception Handling and Retry Logic

Blue Prism Training Material on Process Flow and Exception Handling

**QUESTION 112**

Which of the following flow representations are invalid and therefore cannot be recreated in a Blue Prism flow diagram:

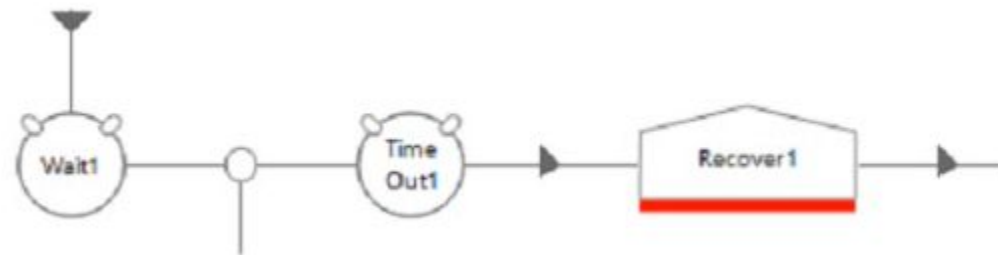
A)



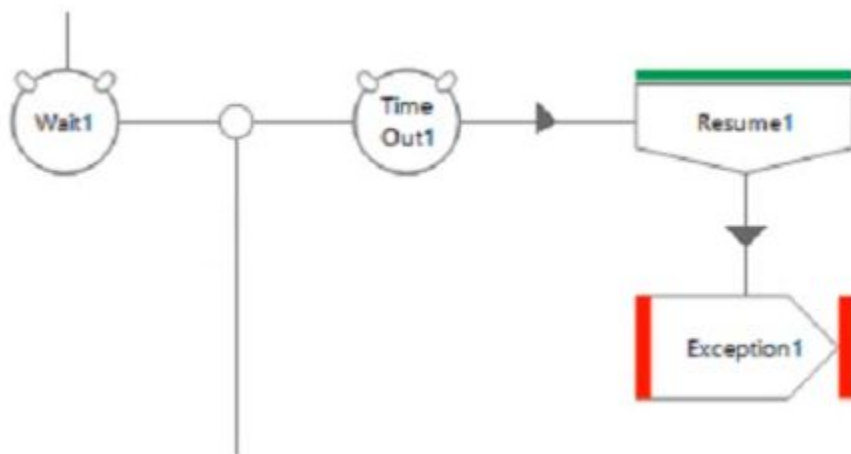
B)



C)



D)



Vdumps

- A. Option A
- B. Option B
- C. Option C
- D. Option D

**Correct Answer: B**

**Section:**

**Explanation:**

Understanding Blue Prism Flow Representations:

Blue Prism flow diagrams represent the logic and control flow of automated processes.

Each stage must follow the rules of the process flow, and certain configurations are invalid.

Analysis of Options:

Option A: Shows a timeout leading to an Exception stage, followed by an Email Alert. This is valid as it properly handles an exception and sends an alert.

Option B: Shows a timeout leading to a Resume stage, and then directly to an Email Alert. This is invalid because a Resume stage should be followed by logic to recover from the exception, not directly proceed to another action without resolving the issue.

Option C: Shows a timeout leading to a Recover stage. This is valid as it starts the exception handling process.

Option D: Shows a timeout leading to a Resume stage, followed by an Exception stage. This is valid as it properly handles exceptions by resuming and then throwing an exception if needed.

Conclusion:

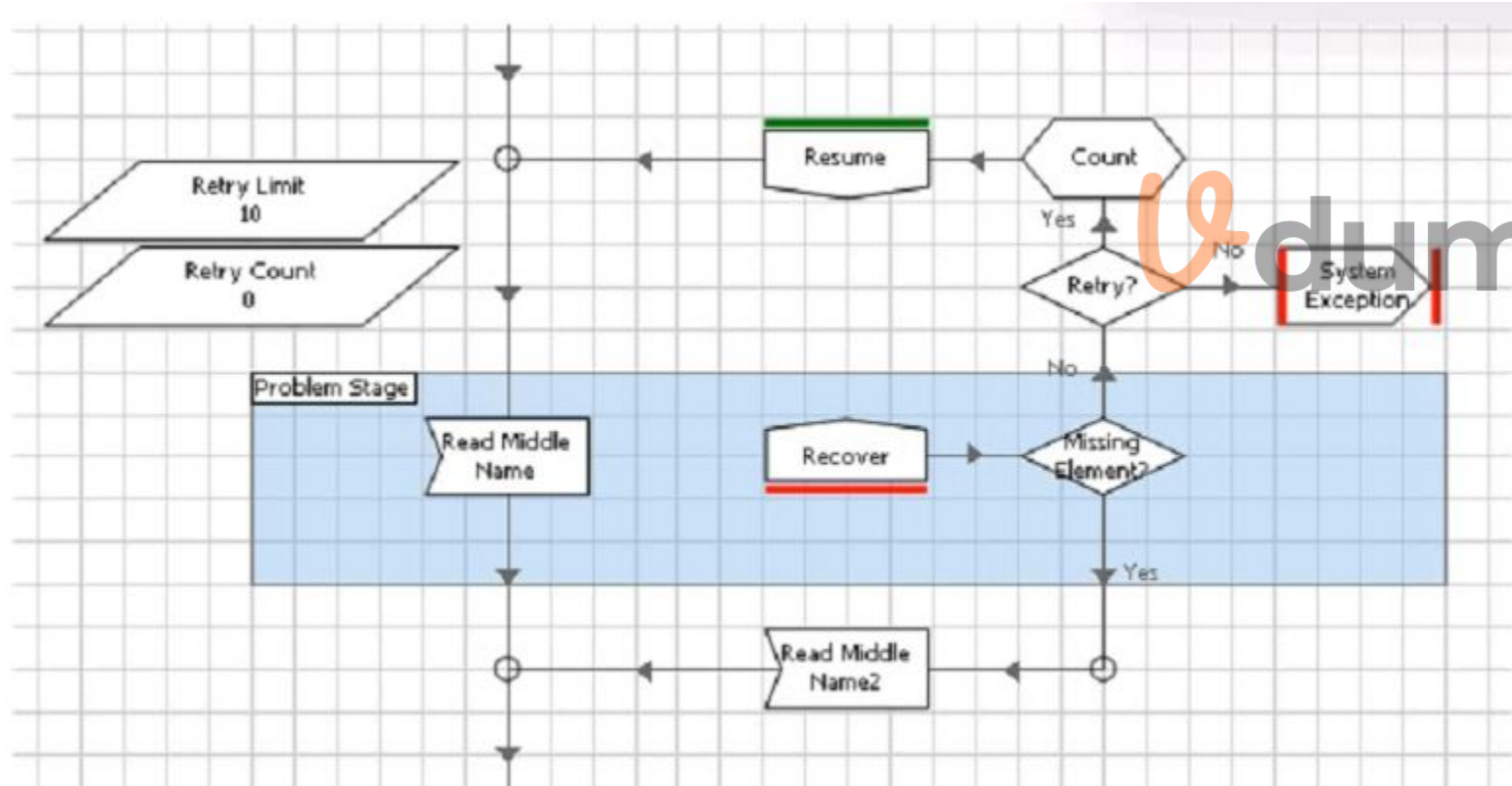
Option B is the invalid representation because it incorrectly uses a Resume stage without properly handling the exception before proceeding to the next action.

Blue Prism Developer Documentation: Exception Handling

Blue Prism Training Material on Process Flow and Error Management

### QUESTION 113

Examine the following extract taken from an Action in Object Studio:



What problem do you see with the current configuration of this Action flow?

- A. The Retry Limit data item is set to 10 when it should always be set to 3
- B. There is a missing Resume stage on one of the routes through the flow?
- C. There is a missing Recover stage on one of the routes through the flow
- D. There is nothing wrong with the current configuration

**Correct Answer: C**

**Section:**



**Explanation:**

Understanding the Diagram:

The diagram shows an Action in Object Studio with retry logic and exception handling.

The flow includes a Retry Limit, Retry Count, and a decision point to retry or throw a system exception.

Analyzing the Flow:

Option A: The Retry Limit being set to 10 is not inherently wrong; it depends on the requirements of the specific process.

Option B: A Resume stage exists and is properly placed.

Option C: There is a Recover stage missing on one of the routes. Specifically, the flow has a decision to check for a 'Missing Element?' but there is no corresponding Recover stage before this check, which is essential for handling exceptions correctly.

Option D: This configuration is not entirely correct due to the missing Recover stage.

Conclusion:

The problem with the current configuration of this Action flow is that C. There is a missing Recover stage on one of the routes through the flow. Proper exception handling requires a Recover stage before making decisions based on exceptions.

Blue Prism Developer Documentation: Exception Handling and Recovery

Blue Prism Training Material on Object Studio and Exception Management

**QUESTION 114**

The Developer has a Process designed to input new purchase orders. The automation should open an Excel file of data, validate that all fields are populated and that the purchase price is in the correct currency, before entering the order in the software application.

What best practice approach should the Developer take when testing the process?

- A. Manually input incorrect initial values into the data items to verify exception handling works as designed
- B. Step through each stage of the process using standard debugging methods
- C. Test the process using correct and incorrect data in the file to verify exception handling works as designed
- D. Test the process using a copy of live data in the Excel file

**Correct Answer: C**

**Section:**

**Explanation:**

Testing Best Practices:

To ensure that the process works correctly under all conditions, it is essential to test with both valid and invalid data.

Verification of Exception Handling:

Using a variety of data inputs allows the developer to verify that exception handling mechanisms are functioning correctly. This includes ensuring that the process can handle incorrect data gracefully and take appropriate actions.

Comprehensive Testing:

By testing with both correct and incorrect data, the developer can ensure that the process is robust and can handle real-world scenarios, leading to more reliable automation.

Blue Prism documentation on testing best practices for process development.