Exam Code: C_CPE_2409

Exam Name: SAP Certified Associate - Backend Developer - SAP Cloud Application Programming Model

Exam A

QUESTION 1
Which identifier is used by the XSUAA service to distinguish applications and scopes?

A. xsappname
B. xs-security
C. VCAP_SERVICES
D. tenant-mode

Correct Answer: A
Section:

QUESTION 2
When would you choose SAP Fiori elements for app development? Note: There are 2 correct answers to this question.

A. When standard floorplans are sufficient
B. When unique floorplans are required
C. When flexibility is more important than speed
D. When speed is more important than flexibility

Correct Answer: A, D
Section:

QUESTION 3
After you create a business process in SAP Build Process Automation by giving it a name and identifier and clicking 'Create,' what can you add to it? Note: There are 3 correct answers to this question.

A. Forms
B. Decisions
C. Packages
D. Filters
E. Automations

Correct Answer: A, B, E
Section:

QUESTION 4
You have deployed a workload through a Kubernetes Deployment to SAP BTP, Kyma runtime. What must you do to expose the workload to the public internet? Note: There are 3 correct answers to this question.

A. Add a readiness probe for your workload.
B. Create an API Rule CR.
C. Add a custom VirtualService CR to secure the service.
D. Configure rules and accessStrategies.
E. Create a service to group your pods.

Correct Answer: B, D, E
Section:

QUESTION 5
In SAP Build Process Automation, what is a decision table rule?

A. A tabular set of input/output rule expressions
B. A set of pre-defined data objects
C. A tabular set of business process decisions
D. A set of rule expressions in an IF-THEN format

Correct Answer: A
Section:

QUESTION 6
Which sequence of steps do you follow when working with files locally in Git in SAP Business Application Studio?

A. Stage Create, modify, save Commit Check out
B. Stage Create, modify, save Check out Commit Check out Create, modify, save
C. Stage Commit Create, modify, save
D. Stage Check out Commit

Correct Answer: C
Section:

QUESTION 7
Which language do you use to create a data model in a CAP project?

A. Core Data Services Definition Language (CDL)
B. ABAP
C. Core Data Services Query Language (CQL)
D. SQL

Correct Answer: A
Section:

QUESTION 8
With respect to the Flow principle of DevOps, which are flow inhibitors? Note: There are 3 correct answers to this question.

A. Manual testing of software
B. Manually created software environment
C. Source code management tool
D. Manually coded user interfaces
E. Overly tight architectures on a technical level

Correct Answer: A, B, D
Section:

QUESTION 9
In SAP Build Process Automation, what is a policy?

A. A guide to business process mapping

B. A collection of decisions

C. A basis for making business rules

D. A collection of business rules

Correct Answer: D
Section:

QUESTION 10
What are some characteristics of YAML files? Note: There are 2 correct answers to this question.

A. YAML files can be used as configuration files.

B. YAML files are also valid JSON files.

C. YAML files are based on XML.

D. YAML files rely on correct indentation.

Correct Answer: A, D
Section:

QUESTION 11
Which of the following are benefits of using the OData Virtual Data Model of the SAP Cloud SDK? Note: There are 3 correct answers to this question.

A. Commonly used SQL query technology

B. Easy access to create, update, and delete operations

C. Type safety for functions

D. Auto-completion of function names and properties

E. Database procedures provided out of the box

Correct Answer: B, C, D
Section:

QUESTION 12
What is the prerequisite before you can create a CI/CD job for a project?

A. The project has been shared to a remote Git repository.

B. The project has been deployed.

C. The project has been previewed.

Correct Answer: A
Section:

QUESTION 13
What are the main features and capabilities of the app router? Note: There are 3 correct answers to this question.

A. It can serve static content such as web pages, SAPUI5 or other client side code.

B. It manages the authentication flows for the application.

C. It acts as an authorization server.

D. It downloads all necessary libraries.

E. It is the central entry point of the application.

Correct Answer: A, B, E
Section:

QUESTION 14
Your CAP project contains an entity called Books. You want to extend the Books entity with the managed aspect. You have already imported the aspect from the '@sap/cds/common' package (see code).

```
using {managed} from '@sap/cds/common';

entity Books {
    key ID : UUID @(Core.Computed : true);
    title : String;
    author : String;
}
```

Which is a valid way to extend the entity with the aspect?

```
  entity Books : managed {
      key ID : UUID @(Core.Computed : true);
      title : String;
      author : String;
  }

  entity Books : {
      key ID : UUID @(Core.Computed : true);
      title : String;
      author : String;
  }

  aspect : managed : Books{}

  entity Books : {
      key ID : UUID @(Core.Computed : true);
      title : String;
      author : String;
      aspect : managed;
  }
```

A. using {managed} from '@sap/cds/common'; entity Books { key ID: UUID @(Core.computed: true); title: String; author: String; }

B. Which is a valid way to extend the entity with the aspect? entity Books: managed { key ID UUID @(Core.Computed: true); title: String; author: String; }

C. entity Books: { } key ID UUID @(Core.Computed: true); title: String; author: String; aspect managed Books{}

D. entity Books: { key ID UUID (Core.Computed: true); title: String; author: String; aspect managed; }

Correct Answer: B
Section:

QUESTION 15
You need to secure your application in the Cloud Foundry environment. In which file do you maintain routes during design time?

A. xs-app.json

B. mta.yml

C. C xs-security.json

D. C manifest.yml

Correct Answer: A

Section:

QUESTION 16
Which actions are executed in Cloud Foundry under the Deploy & Execute phase when you run an application? Note: There are 2 correct answers to this question.

A. Fueling generic runtimes to serve recurring tasks automatically
B. Integrating the data with other SAP systems
C. Declaratively capturing domain knowledge in CDS models
D. Maximizing boilerplate code to real custom logic

Correct Answer: A, B
Section:

QUESTION 17
When you create an API Rule for a service, what is created automatically?

A. A Helm Chart
B. An Istio VirtualService
C. A Kubernetes Deployment
D. A Kubernetes Service

Correct Answer: B
Section:

QUESTION 18
How do you debug a Node.js module in SAP Business Application Studio?

A. Add the sap.hana.xs.debugger:Debugger role to the HDI container's #RT user.
B. Start the debugger from the CF command line interface and run the program.
C. Set the enabled parameter to true in the section debugger of the xsengine.ini file.
D. Attach the debugger to the application.

Correct Answer: D
Section:

QUESTION 19
You have configured an approuter by creating the xs-app.json file in the approuter folder with the following content: What does this routes array tell the approuter? Note: There are 2 correct answers to this question.

A. The files requested for /app will be put to the resources folder.
B. All requests starting with /service will be forwarded to the CAP service.
C. The files in the resources folder will be served for all requests to /app.
D. All requests starting with /service will be targeted to the folder resources.

Correct Answer: B, C
Section:

QUESTION 20

What must you do first before you can get visibility into how a process is running?

A. Save the version of the process you are working on.
B. Circulate the process for pre-approvals before finalizing it.
C. Prepare the process to be consumed by the visibility scenario.
D. Purchase the visibility dashboard capabilities from the SAP store.

Correct Answer: C
Section:

QUESTION 21
What is the correct sequence of steps when implementing Tenant-aware Persistence?

A. Configure a data source Configure Hibernate for multi-tenancy Persisting and accessing the data Tenant onboarding and offboarding
B. Configure a data source Configure Hibernate for multi-tenancy Tenant onboarding and offboarding Persisting and accessing the data
C. Tenant onboarding and offboarding Configure a data source Configure Hibernate for multi-tenancy Persisting and accessing the data
D. Configure Hibernate for multi-tenancy Configure a data source Tenant onboarding and offboarding Persisting and accessing the data

Correct Answer: A
Section:

QUESTION 22
Which configuration steps are necessary to set process conditions in SAP Build Process Automation? Note: There are 3 correct answers to this question.

A. Define If/Else criteria
B. Map condition input to process content
C. Add environment variables
D. Define flow for different conditional paths
E. Add a condition to the process

Correct Answer: A, D, E
Section:

QUESTION 23
What are key elements of reactive systems in the distributed environment of side-by-side extensions? Note: There are 2 correct answers to this question.

A. Asynchronous interaction between a browser and a system
B. Asynchronous message-driven communication between systems
C. Loose coupling and isolation between systems
D. Synchronous API communication between server and client

Correct Answer: B, C
Section:

QUESTION 24
Which of the following can be used to implement side-by-side extensions in the Cloud Foundry environment of SAP Business Technology Platform? Note: There are 2 correct answers to this question.
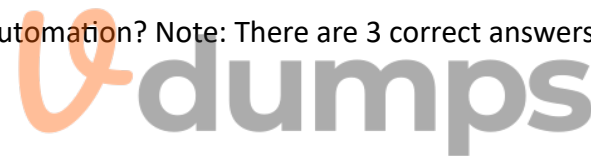
A. ABAP
B. Java
C. Node.
D. js ActionScript

Correct Answer: B, C
Section:

QUESTION 25
Which are characteristics of Continuous Delivery? Note: There are 3 correct answers to this question.

A. No ambiguity in long term plans
B. Fast recovery from defects
C. Waterfall model
D. Short release cycle
E. High degree of automation

Correct Answer: B, D, E
Section:

QUESTION 26
What are tasks of the approuter? Note: There are 3 correct answers to this question.

A. Routing requests from the web browser to the provider of the UI service.
B. Routing requests from the application to the SAP Launchpad service.
C. Authorizing users for the CAP service and the provider of the UI service.
D. Routing requests from the web browser to the CAP service.
E. Forwarding user requests to the XSUAA service for authentication and authorization.

Correct Answer: A, D, E
Section:

QUESTION 27
How do you run a CI/CD build manually without pushing changes to Git?

A. Select Deploy from the project's context menu in the Project Explorer
B. Submit Changes via Sync & Share action
C. Select 'Trigger a Build' in the CI/CD job's context menu
D. Create and run 'Build task' in Task Explorer

Correct Answer: C
Section:

QUESTION 28
When creating a CI/CD job, what does defining Source Control Management (SCM) credentials enable?

A. Retrieving your project from SCM when its build is triggered

B. Managing your SCM credentials

C. Modifying your project source code automatically

Correct Answer: A
Section:

QUESTION 29
Which of the following are features of Kubernetes? Note: There are 3 correct answers to this question.

A. Immutability and self-healing

B. Hardware virtualization

C. Service Discovery and load balancing

D. Operating system management Storage orchestration

Correct Answer: A, C, D
Section:

QUESTION 30
You want to implement an event handler to show a console log once a supplier record is read. What is the correct syntax to implement this?

A. const cds = require('@sap/cds') module.exports = cds.service.impl(function () { const {Supplier} = this.entities() this after('each Supplier, row =>{ console.log('Read Supplier: ${row.ID}') })

B. const cds = require('@sap/cds') module.exports = cds.service.impl(function () { const {Supplier} = this.entities() this.on('each',Supplier, row =>{ output.log('Read Supplier: ${row.ID}') }) })

C. const cds = require('@sap/cds') module.exports = cds service.impl(function() { const {Supplier} = this.entities() this.on('each, Supplier, row => console.log('Read Supplier: ${row.ID}') })

D. const cds = require('@sap/cds') module.exports = cds.service.impl(function() { const {Supplier} = this.entities() this after('each Supplier, row => { output.log('Read Supplier: ${row.ID}') }) })

Correct Answer: A
Section:

QUESTION 31
What can you define in the application router's design-time descriptor: xs-app.json? Note: There are 2 correct answers to this question.

A. role-templates

B. routes

C. authenticationMethod

D. modules

Correct Answer: B, C
Section:

QUESTION 32
Your company is using the SAP Authorization and Trust Management service in conjunction with the XSUAA service to authorize their applications. Where do you bundle your defined scopes in role-templates?

A. In an xs-security.json fille

B. In a role-collection

C. In an instance of the XSUAA service

Correct Answer: A

Section:

QUESTION 33
You have set up the scopes and attributes that are needed to protect your application in the Cloud Foundry environment, but a user is unable to access your application. What might be the reason?

A. Roles aren't assigned to the client application.
B. Role collections aren't assigned to the user.
C. Roles aren't assigned to the user.
D. Role collections aren't assigned to the client application.

Correct Answer: B
Section:

QUESTION 34
Which property of access control with @restrict accepts all standard CDS CRUD events, as well as action and function names?

A. To
B. on
C. where
D. grant

Correct Answer: B
Section:

QUESTION 35
What are some benefits of using Forms in SAP Build Process Automation?Note: There are 2 correct answers to this question.

A. Streamline business process approvals easily
B. Create documents for processes easily
C. Create an interactive UI easily
D. Create and share email templates easily

Correct Answer: A, C
Section:

QUESTION 36
You have developed a CAP project and added the XSUAA security configuration. What information is stored in the xs-security.json file? Note: There are 2 correct answers to this question.

A. role-templates
B. users
C. roles
D. scopes

Correct Answer: A, D
Section:

QUESTION 37

To grant a user access to an application in an SAP BTP subaccount, what must you assign to this user?

A. A role
B. A role collection
C. A role template

Correct Answer: B
Section:

QUESTION 38
What are the benefits of using Side-by-Side Extensibility? Note: There are 3 correct answers to this question.

A. It can be implemented in the same software stack as the extended application.
B. It integrates with other cloud/non-cloud solutions when using SAP Business Technology Platform Integration services.
C. It uses a complete development platform for creating extension applications.
D. It provides support for hybrid scenarios.
E. It uses In-App tools to adapt the standard UI.

Correct Answer: B, C, D
Section:

QUESTION 39
You want a service to react to a specific event. What can you specify as in the statement srv. <Phase> (<event>)? Note: There are 2 correct answers to this question.

A. end
B. begin
C. after
D. before

Correct Answer: C, D
Section:

QUESTION 40
You develop custom SAP S/4HANA side-by-side extensions. For which development objects can you enable OData services? Note: There are 2 correct answers to this question.

A. SAP-delivered business objects
B. Custom CDS views
C. Custom forms
D. Custom business objects

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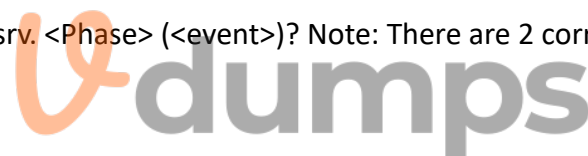**Section:**

QUESTION 41
Your customer presents you with the following UI requirements:
Users need to work through a comparatively small set of items, one by one Multiple views of the same content
One kind of data visualization

Which SAP Fiori elements floorplan do you recommend they use?

A. Object page
B. C List report
C. Analytical list page
D. Worklist

Correct Answer: D
Section:

QUESTION 42
What are some benefits of using the Istio service mesh in SAP BTP, Kyma runtime? Note: There are 3 correct answers to this question.

A. Traffic management between services can be controlled.
B. Distributed tracing can be used to trace request flows.
C. Networking is decoupled from the application logic.
D. Mutual TLS is supported for service-to-service communication.
E. Networking is coupled to the application logic.

Correct Answer: A, B, C
Section:

QUESTION 43
You have set up a pipeline in the SAP Continuous Integration and Delivery service with automated deployment. A build was initiated and failed. What do you check to find out which step of the pipeline failed?

A. The webhook event receiver
B. The webhook of your version control system
C. The stages in the config.yml in the pipeline folder
D. The stages of the failed job run

Correct Answer: D
Section:

QUESTION 44
What do you use to update the Git history of the local file you are working on?

A. Save
B. Commit
C. Stage
D. Check out

Correct Answer: B
Section:

QUESTION 45
How can you ensure that the value creation process continuously becomes safer and more resilient?

A. Establish short and efficient feedback cycles.

B. Develop tight software architectures.

C. Optimize batch working style.

D. Apply strict top-down software design.

Correct Answer: A
Section:

QUESTION 46
According to SAP CAP best practices, which error types should you NOT catch? Note: There are 2 correct answers to this question.

A. Programming errors

B. Rejections of promises

C. Runtime errors

D. Unexpected errors

Correct Answer: B, D
Section:

QUESTION 47
During application development, what are some principles of dealing with application errors? Note: There are 2 correct answers to this question.

A. Use try/catch blocks sparingly

B. Hide errors and continue silently

C. Use as many try/catch blocks as possible

D. Log unexpected errors

Correct Answer: A, D
Section: