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38	A	B	C	D	E
39	A	B	C	D	E

PRACTICE QUESTIONS

OutSystems

AODCE

Associate Developer (ODC) (EN)

EDITION

Demo

QUESTIONS

9

FORMAT

Limited Edition PDF

Before you begin

What this is

9 practice questions for OutSystems AODCE , each with its answer key and an explanation. Answer a question before you read its key — the explanation is worth more once you have committed.

If something looks wrong

Send us three things and we will check it:

- the exam code, AODCE
- the question number
- the email address on your order

Write to **support@mometrix.net**. We reply within one business day.

QUESTION 1

SINGLE CHOICE

Which OutSystems tool is used to visually design and develop the user interface of a web or mobile application by dragging and dropping UI components?

- ☒ **A Service Studio**
- ☐ B Integration Studio
- ☐ C LifeTime
- ☐ D App Factory

ANSWER A

WHY Service Studio is the integrated development environment (IDE) used by OutSystems developers to design, develop, and maintain applications. It provides the visual, drag-and-drop interface for building screens, logic, and data models. Integration Studio is used for extending OutSystems with custom code (extensions), and LifeTime is used for environment management and deployment governance.

QUESTION 2

SINGLE CHOICE

In an OutSystems data model, which type of attribute is automatically populated by the platform with a unique numeric value whenever a new record is inserted into an entity?

- ☒ **A Identifier**
- ☐ B Auto Number
- ☐ C Created On
- ☐ D Record Index

ANSWER A

WHY The Identifier attribute in an OutSystems entity is a mandatory attribute automatically managed by the platform. It is auto-incremented and uniquely identifies each record. 'Auto Number' is not a valid OutSystems attribute type, 'Created On' is a system attribute that stores the creation timestamp, and 'Record Index' is not a built-in attribute type.

QUESTION 3 SINGLE CHOICE

Which scope level in an OutSystems server action restricts a variable so it is only accessible within the action where it is defined?

- ☒ **A** Local
- ☐ B Function
- ☐ C Module
- ☐ D Request

ANSWER A

WHY In OutSystems, a variable defined with the 'Local' scope exists only within the action or screen where it is created and cannot be accessed by other actions. 'Function' is not a scope level, 'Module' scope allows access throughout the module, and 'Request' scope shares the variable across all actions invoked during the same HTTP request.

QUESTION 4 SINGLE CHOICE

What is the purpose of a 'Human Activity' in an OutSystems Business Process Technology (BPT) process?

- ☐ A To execute automatic server-side logic without user interaction
- ☒ **B To pause the process and assign a task to a user who must complete it before the process continues**
- ☐ C To trigger a database query and store its result
- ☐ D To send an email notification to an external address

ANSWER B

WHY A Human Activity is a BPT activity type that pauses the process flow and generates a task assigned to one or more users. The process only resumes after the assigned user completes the activity. Automatic Activities are used for system logic without user intervention, email is handled via a dedicated Email node, and database queries are not represented as process activities.

QUESTION 5

SINGLE CHOICE

Which of the following is a recommended OutSystems best practice for improving application performance when handling large volumes of data?

- ☐ A Load all entity records into an in-memory list and filter client-side
- ☒ B Use Aggregates with proper indexing and retrieve only the required columns and rows
- ☐ C Disable entity indexes to speed up writes
- ☐ D Avoid using the platform's built-in caching mechanisms

ANSWER B

WHY Aggregates are the recommended way to query data efficiently in OutSystems because they are optimized, run on the database, and can leverage indexes. Best practice is to fetch only the data you need (columns and rows) and ensure proper indexing. Loading entire entities client-side is inefficient, disabling indexes degrades read performance, and caching should be used where appropriate.

QUESTION 6

SINGLE CHOICE

In OutSystems, where do you configure which screens and actions a specific user role is allowed to access?

- ☐ A In the application's database connection settings
- ☒ B In the Users application Role settings
- ☐ C In the Service Center process monitor
- ☐ D In the LifeTime deployment plan

ANSWER B

WHY OutSystems uses the Users application to define roles and permissions. Developers configure role-based access by setting which roles can access specific screens, web blocks, and actions directly in Service Studio, and these role definitions are managed in the Users application. Database settings, Service Center, and LifeTime are not where end-user role permissions are configured.

QUESTION 7 SINGLE CHOICE

In Service Studio, when you consume a REST API, which OutSystems element is automatically generated to allow you to invoke the external endpoint from your application logic?

- ☒ **A** Server Action
- ☐ B Database Entity
- ☐ C Process Activity
- ☐ D Screen Widget

ANSWER A

WHY When you consume a REST API in OutSystems Service Studio, the platform automatically generates a Server Action wrapper (a method) that you can drag onto your action flow to call the external endpoint and receive its response. Database entities, process activities, and screen widgets are not generated from REST API consumption.

QUESTION 8 SINGLE CHOICE

In OutSystems Reactive Web and Mobile development, what is the purpose of a 'Client Action'?

- ☐ A To run business logic on the database server
- ☒ **B To run JavaScript-style logic in the browser or device without a server roundtrip**
- ☐ C To define a database schema on the client
- ☐ D To deploy the application to production

ANSWER B

WHY Client Actions in Reactive apps execute logic on the client side (browser for web, device for mobile) without needing to call the server. They are used for UI interactivity, validations, and local data handling. Database queries and schema definitions are not client-side responsibilities, and deployment is performed through LifeTime.

QUESTION 9

MULTIPLE CHOICE

Which of the following are valid considerations when developing an OutSystems mobile app? (Choose two.)

- ☒ **A** Whether the app should support offline usage and synchronize data later
- ☐ **B** Choosing a database engine to install on each user's device
- ☒ **C** Defining which data and logic must be available locally versus on the server
- ☐ **D** Selecting the operating system of the OutSystems factory server

ANSWER A • C

WHY OutSystems mobile apps are built as a single codebase that can be packaged for iOS and Android, but developers must design for offline/online scenarios (option A) and decide what data/logic is local versus server-side (option C). Database engines are not installed on user devices — OutSystems handles local storage via its built-in local storage, and the factory server OS is not a developer-controlled mobile-app concern.