

01	☐ A	☐ B	☐ C	☐ D	☐ E
02	☐ A	☒ B	☐ C	☐ D	☐ E
03	☒ A	☐ B	☐ C	☐ D	☐ E
04	☐ A	☐ B	☐ C	☒ D	☐ E
05	☐ A	☐ B	☒ C	☐ D	☐ E
06	☐ A	☐ B	☒ C	☐ D	☐ E
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27	☐ A	☐ B	☒ C	☐ D	☐ E
28	☐ A	☐ B	☒ C	☐ D	☐ E
29	☐ A	☒ B	☐ C	☐ D	☐ E
30	☐ A	☒ B	☐ C	☐ D	☐ E
31	☐ A	☐ B	☒ C	☐ D	☐ E
32	☐ A	☒ B	☐ C	☐ D	☐ E
33	☐ A	☐ B	☒ C	☐ D	☐ E
34	☒ A	☐ B	☐ C	☐ D	☐ E
35	☐ A	☐ B	☐ C	☐ D	☒ E
36	☐ A	☐ B	☐ C	☒ D	☐ E
37	☐ A	☒ B	☐ C	☐ D	☐ E
38	☒ A	☐ B	☐ C	☐ D	☐ E
39	☒ A	☐ B	☐ C	☐ D	☐ E

PRACTICE QUESTIONS

OutSystems

AODCP

Associate Developer (ODC) (PT)

EDITION

Demo

QUESTIONS

9

FORMAT

Limited Edition PDF

Before you begin

What this is

9 practice questions for OutSystems A0DCP , 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, A0DCP
- the question number
- the email address on your order

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

QUESTION 1

SINGLE CHOICE

In OutSystems, what is the primary purpose of a Static Entity?

- ☐ A To define a physical table in the database that supports CRUD operations from end users.
- ☒ B To store configuration or reference data defined at design time and used across the application without requiring database maintenance.
- ☐ C To replicate external system data into the OutSystems database on a schedule.
- ☐ D To act as a temporary cache that is dropped every time the application is redeployed.

ANSWER B

WHY Static Entities are defined at design time and hold a small, fixed set of values (like countries or statuses). Their records are managed in Service Studio and deployed with the application, so they do not require end-user CRUD screens and do not need ongoing database maintenance.

QUESTION 2

SINGLE CHOICE

Which OutSystems UI component should be used to display a confirmation dialog asking the user to proceed with a destructive action such as deleting a record?

- ☐ A Popup Editor widget loaded on a web block
- ☒ B Confirmation Pattern from the OutSystems UI framework
- ☐ C Inline JavaScript confirm() call embedded in an Expression
- ☐ D Modal Section of a Sidebar pattern with no Yes button

ANSWER B

WHY The OutSystems UI framework provides a Confirmation Pattern specifically built for confirming destructive or important actions. It is accessible, themable, and consistent with the rest of the UI, unlike a plain JavaScript confirm() or a generic Popup Editor.

QUESTION 3

SINGLE CHOICE

A developer needs to perform a calculation that aggregates values from an Entity and then redirect the user to a new screen. Where should this logic ideally be placed so that the heavy data access happens on the back end and the navigation happens on the front end?

- ☐ A In a Client Action that queries the entity directly and then calls Navigate.
- ☒ B In a single Server Action that performs the aggregation and returns the result to a Client Action, which then navigates.
- ☐ C In the On Initialize of the destination screen only.
- ☐ D In a Timer widget set to run every second.

ANSWER B

WHY Best practice is to keep data access on the server (a Server Action performs the aggregation) and to keep navigation logic on the client (the Client Action calls the Server Action and then issues Navigate). Putting entity access in a Client Action would force the client to make a direct database call, which is not allowed in OutSystems.

QUESTION 4

SINGLE CHOICE

When a developer publishes a new mobile module to an OutSystems environment, what does running the module in the foreground on a device after the publish accomplish?

- ☐ A It triggers a server-side compilation that fixes syntax errors.
- ☒ B It causes the OutSystems mobile runtime to download the updated module package from the environment and install it locally on the device.
- ☐ C It runs an automated quality assurance test against the application.
- ☐ D It permanently removes the previous version of the app from the device.

ANSWER B

WHY OutSystems mobile apps are built on a runtime that checks the configured environment on launch. When a new mobile module is published, opening the app on the device retrieves the updated native bundle from the server and installs it, allowing developers to test new module code without going through the full native build pipeline.

QUESTION 5

SINGLE CHOICE

An Associate Developer wants to make a screen visible only to users who belong to the "Managers" role. What is the correct OutSystems approach?

- ☐ A Add an If widget around the screen content and check UserType = "Manager" in the condition.
- ☐ B Use the GetUserRoles server action and an If inside the screen flow to branch around the content.
- ☒ C Apply a Check Role on the screen's Site Property entry and grant the Managers role access to it.
- ☐ D Encrypt the screen and share the decryption key only with managers.

ANSWER C

WHY OutSystems provides built-in role-based security at the navigation level. A Screen's Site Property exposes an Access tab where the developer grants roles permission to reach it; users not in an allowed role cannot navigate to the screen at all. Inline If checks based on attributes are not a substitute for this server-enforced control.

QUESTION 6

SINGLE CHOICE

In Service Studio, which element represents a server-side description of an external REST API that the application will call?

- ☐ A Web Screen
- ☐ B Timer
- ☒ C REST API (Consumed REST service)
- ☐ D Client Entity

ANSWER C

WHY OutSystems exposes consumed REST services as first-class elements in the service layer. After importing or describing a REST API, Service Studio produces methods that Server Actions can invoke. Timer, Web Screen, and Client Entity describe unrelated concepts.

QUESTION 7

SINGLE CHOICE

Which of the following is a recommended OutSystems best practice to reduce the amount of data fetched from the database on a screen that displays a paginated list of customers?

- ☐ A Use the GetCustomers aggregate without filters and only show the first 20 records in a List widget.
- ☒ B Use an Aggregate with a Max Records property set to a small page size and rely on pagination built into the List Records widget.
- ☐ C Fetch all records into a Local Variable on Screen OnInitialize and then filter them in JavaScript.
- ☐ D Create a Timer that refreshes the list every 5 seconds.

ANSWER B

WHY OutSystems aggregates translate into SQL queries against the database. Setting Max Records to the page size and using the List widget's built-in pagination causes the database to return only the rows the user needs, which is the documented performance best practice.

QUESTION 8

SINGLE CHOICE

In an OutSystems Expression, the value "" is automatically converted to which value when used in a Boolean context (for example, as the condition of an If widget)?

- ☐ A True
- ☒ B False
- ☐ C Null
- ☐ D It causes a compilation error and the If cannot be saved.

ANSWER B

WHY OutSystems follows typical weak typing rules: empty string is considered a falsy value, so in a Boolean context (such as the Condition of an If or While), "" is converted to False. This is why patterns like If(MyText) work as expected to detect an empty input.

QUESTION 9

SINGLE CHOICE

A developer needs to run a piece of logic on the device whenever the user is offline, so that the UI can still show meaningful local data. Which OutSystems client-side mechanism should be used?

- ☐ A A Server Action scheduled with a Timer
- ☒ B A Client Action triggered by a local event
- ☐ C A REST service consumed from an external endpoint
- ☐ D A Database Trigger on the local storage table

ANSWER B

WHY Client Actions execute on the device (client-side) and can react to local events, including offline events, which makes them the correct mechanism for offline-capable behavior. Server Actions run on the OutSystems server and timers are scheduled server-side. REST consumed from an external endpoint would not be available offline. OutSystems does not expose Database Triggers for local storage.