OutSystems Associate Practice Exam (Sample)

Study Guide

Everything you need from our exam experts!

Table of Contents

Copyright **1**

Table of Contents **2**

Introduction **3**

How to Use This Guide **4**

Questions **6**

Answers **9**

Explanations **11**

Next Steps **17**

Introduction

Preparing for a certification exam can feel overwhelming, but with the right tools, it becomes an opportunity to build confidence, sharpen your skills, and move one step closer to your goals. At Examzify, we believe that effective exam preparation isn't just about memorization, it's about understanding the material, identifying knowledge gaps, and building the test-taking strategies that lead to success.

This guide was designed to help you do exactly that.

Whether you're preparing for a licensing exam, professional certification, or entry-level qualification, this book offers structured practice to reinforce key concepts. You'll find a wide range of multiple-choice questions, each followed by clear explanations to help you understand not just the right answer, but why it's correct.

The content in this guide is based on real-world exam objectives and aligned with the types of questions and topics commonly found on official tests. It's ideal for learners who want to:

- **Practice answering questions under realistic conditions,**
- **Improve accuracy and speed,**
- **Review explanations to strengthen weak areas, and**
- **Approach the exam with greater confidence.**

We recommend using this book not as a stand-alone study tool, but alongside other resources like flashcards, textbooks, or hands-on training. For best results, we recommend working through each question, reflecting on the explanation provided, and revisiting the topics that challenge you most.

Remember: successful test preparation isn't about getting every question right the first time, it's about learning from your mistakes and improving over time. Stay focused, trust the process, and know that every page you turn brings you closer to success.

Let's begin.

How to Use This Guide

This guide is designed to help you study more effectively and approach your exam with confidence. Whether you're reviewing for the first time or doing a final refresh, here's how to get the most out of your Examzify study guide:

1. Start with a Diagnostic Review

Skim through the questions to get a sense of what you know and what you need to focus on. Don't worry about getting everything right, your goal is to identify knowledge gaps early.

2. Study in Short, Focused Sessions

Break your study time into manageable blocks (e.g. 30 – 45 minutes). Review a handful of questions, reflect on the explanations, and take breaks to retain information better.

3. Learn from the Explanations

After answering a question, always read the explanation, even if you got it right. It reinforces key points, corrects misunderstandings, and teaches subtle distinctions between similar answers.

4. Track Your Progress

Use bookmarks or notes (if reading digitally) to mark difficult questions. Revisit these regularly and track improvements over time.

5. Simulate the Real Exam

Once you're comfortable, try taking a full set of questions without pausing. Set a timer and simulate test-day conditions to build confidence and time management skills.

6. Repeat and Review

Don't just study once, repetition builds retention. Re-attempt questions after a few days and revisit explanations to reinforce learning.

7. Use Other Tools

Pair this guide with other Examzify tools like flashcards, and digital practice tests to strengthen your preparation across formats.

There’s no single right way to study, but consistent, thoughtful effort always wins. Use this guide flexibly — adapt the tips above to fit your pace and learning style. You've got this!

Questions

1. Which statement about the If widget is false?

A. Functions can be used within the If condition

B. More than two branches can be added to an If widget

C. Only one branch is shown at run time

D. Several widgets can be placed within each branch

2. Which screen is used to access the logs generated by the LogMessage Action at the Service Centre?

A. General

B. Details

C. Diagnostics

D. Logs Overview

3. An Entity Identifier in OutSystems can ....

A. must have its Data Type set to Long Integer.

B. must be set to Auto Number.

C. can only be a single attribute.

D. is created automatically and cannot be modified.

4. If an aggregate fetches Orders and their reviewers, which of the following options is true?

A. The aggregate returns Orders with Priority and with zero or more Employees.

B. The aggregate can only return Orders without Employee details.

C. Orders cannot be fetched with their reviewers through aggregates.

D. Each Order must have at least one Employee attached.

5. What limitations exist for Mobile Apps developed in OutSystems?

A. They always require active internet access.

B. They can't utilize device features.

C. They can only be used on Android devices.

D. They do not support geolocation features.

6. Which is incorrect about Mobile Apps in OutSystems?

- **A. They can run natively on iOS and Android.**
- **B. They can be distributed as a PWA.**
- **C. They do not have offline capabilities.**
- **D. The programming model is similar to Reactive Web Apps.**

7. What action establishes a many-to-many relationship between Entity A and Entity B?

- **A. Set the data type of Entity B's identifier to Identifier of Entity A.**
- **B. Add a new reference attribute of type Entity Identifier B to Entity A.**
- **C. Add a new Entity C with two reference attributes of type Entity Identifier A and B.**
- **D. Add a new reference attribute of type Identifier from Entity B to A and from A to B.**

8. During the 1-click Publish, what is generated along with the application model?

- **A. Only HTML and CSS**
- **B. .Net Code, HTML, JavaScript, and CSS**
- **C. Java Code and XML files**
- **D. Python scripts and stylesheets**

9. Which of the following statements is false regarding Reactive Web Apps?

- **A. A reactive web application is an application for multiple devices**
- **B. Data requests are synchronously executed**
- **C. The code generated by OutSystems results in a single-page application**
- **D. A developer creates a Reactive Web App in Service Studio**

10. Which statement regarding indexes is correct?

- **A. Custom indexes cannot be added to an entity.**
- **B. The indices speed up data recovery without any impact.**
- **C. Unique indexes help to avoid duplication of data.**
- **D. Indexes on referenced attributes cannot be deleted.**

Answers

1. B
2. A
3. C
4. A
5. A
6. C
7. C
8. B
9. B
10. C

Explanations

1. Which statement about the If widget is false?

A. Functions can be used within the If condition

B. More than two branches can be added to an If widget

C. Only one branch is shown at run time

D. Several widgets can be placed within each branch

The statement regarding the ability to add more than two branches to an If widget is false. In OutSystems, the If widget can only have two branches: one for the true condition and one for the false condition. This binary logic allows developers to define a clear decision-making process in their logic flow. The other statements are accurate. Functions can indeed be used within the If condition, allowing for dynamic evaluations based on more complex calculations or conditions. At runtime, only one of the branches (the branch corresponding to the evaluated condition) is shown to the user, which helps streamline the user experience by presenting only the relevant information. Additionally, multiple widgets can be placed within each branch, enabling developers to construct elaborate interfaces and functionalities based on the condition being evaluated.

2. Which screen is used to access the logs generated by the LogMessage Action at the Service Centre?

A. General

B. Details

C. Diagnostics

D. Logs Overview

The correct choice is the option that refers to the "General" screen in the Service Centre, as this is the location where you can access logs generated by the LogMessage Action. The General screen serves as an overview area allowing users to view various types of system information, including logs that provide insights into application behavior, performance issues, and troubleshooting data. When examining logs, the General screen simplifies navigation by grouping different logging information, helping developers and operators monitor application health effectively. It is specifically designed to give a consolidated view of the system's operation, making it easier to access relevant data. While other screens like Diagnostics and Logs Overview may provide various useful insights, they may not directly relate to logging access through the LogMessage Action the way the General screen does. Therefore, the General screen offers the most relevant access point for the logs generated in this context.

3. An Entity Identifier in OutSystems can ....

A. must have its Data Type set to Long Integer.

B. must be set to Auto Number.

C. can only be a single attribute.

D. is created automatically and cannot be modified.

An Entity Identifier in OutSystems is designed to uniquely identify each record within an entity. This identifier can consist of a single attribute or a combination of attributes, but it is optimal to keep it as a single attribute for simplicity and efficiency in database operations. When it comes to practical usage, having a single attribute as the Entity Identifier makes operations like searching, updating, and referencing records straightforward. Using composite keys (multiple attributes as the identifier) can complicate queries and data manipulation, leading to performance issues and increased difficulty in maintaining data integrity. While other choices touch upon different aspects of how identifiers might be configured or created in OutSystems, the ability for an identifier to be a single attribute is a foundational principle of how they function in relational database structures.

4. If an aggregate fetches Orders and their reviewers, which of the following options is true?

A. The aggregate returns Orders with Priority and with zero or more Employees.

B. The aggregate can only return Orders without Employee details.

C. Orders cannot be fetched with their reviewers through aggregates.

D. Each Order must have at least one Employee attached.

The statement that the aggregate returns Orders with Priority and with zero or more Employees is true because aggregates in OutSystems are designed to fetch data from related entities based on defined relationships. In the scenario where Orders are associated with Employees (reviewers, in this context), the aggregate can indeed include those relationships. It is acceptable for an order to be fetched with zero or more associated employees, reflecting scenarios where some orders may not have any reviewers, while others might have multiple. The addition of the Priority field enhances the detail of the data being fetched by the aggregate. This relationship in the data model allows for flexibility in how orders and their reviewers are represented, ensuring that all relevant data can be accessed together in a single query, which is the core capability of aggregates in the OutSystems platform. The context of the other options indicates limitations that are not aligned with the functionality of aggregates, reinforcing why the chosen statement accurately describes the capabilities of an aggregate in this instance.

5. What limitations exist for Mobile Apps developed in OutSystems?

A. They always require active internet access.

B. They can't utilize device features.

C. They can only be used on Android devices.

D. They do not support geolocation features.

Mobile apps developed in OutSystems do generally function best with active internet access due to their reliance on server-based resources for many of their functionalities. While OutSystems allows for offline capabilities, the core application design often centers around connectivity to leverage real-time data exchange and interaction with backend systems hosted on the server. This means that while some features can be available offline, a significant portion of the app's functionality may still demand an internet connection to fully operate, making active internet access a common requirement. The other options are misleading in the context of OutSystems capabilities. For instance, mobile apps can utilize various device features, such as camera access, geolocation, and notifications. Furthermore, OutSystems supports multiple platforms, allowing apps to be deployed on both Android and iOS devices, thus not limiting them to just one operating system. The ability to use geolocation features is also included, as OutSystems provides tools to integrate device capabilities into applications effectively.

6. Which is incorrect about Mobile Apps in OutSystems?

A. They can run natively on iOS and Android.

B. They can be distributed as a PWA.

C. They do not have offline capabilities.

D. The programming model is similar to Reactive Web Apps.

The statement that Mobile Apps in OutSystems do not have offline capabilities is incorrect because OutSystems provides built-in support for offline functionality in mobile applications. This allows users to access and interact with the app's features even when there is no internet connection. The framework enables data to be cached on the device, and users can sync the data back to the server when they are online again. Mobile applications developed using OutSystems can take advantage of various features that enhance user experience in offline scenarios, such as local storage of data and the ability to queue actions for later execution once connectivity is restored. This capability is crucial for applications that need to be functional in areas with unstable internet access or for users who may not always have a reliable connection. In contrast, mobile apps can indeed run natively on iOS and Android, can be distributed as Progressive Web Apps (PWA), and share similarities in the programming model with Reactive Web Apps, which reflects OutSystems' approach to building applications across different environments in a consistent manner.

7. What action establishes a many-to-many relationship between Entity A and Entity B?

A. Set the data type of Entity B's identifier to Identifier of Entity A.

B. Add a new reference attribute of type Entity Identifier B to Entity A.

C. Add a new Entity C with two reference attributes of type Entity Identifier A and B.

D. Add a new reference attribute of type Identifier from Entity B to A and from A to B.

Establishing a many-to-many relationship between two entities involves creating an intermediary entity that can link instances of both parent entities. In this case, choosing to add a new Entity C with two reference attributes is the correct approach. Entity C acts as a junction or associative entity that contains references to both Entity A and Entity B. Each record in Entity C can link a specific instance of Entity A with a specific instance of Entity B, thus allowing for multiple instances of Entity A to relate to multiple instances of Entity B and vice versa. This configuration effectively captures the many-to-many relationship, as it allows for multiple connections between the two parent entities. Other choices do not adequately represent the mechanics required for a many-to-many relationship. Simply setting the data type of an identifier in one entity or adding a reference attribute only to one of the entities creates a one-to-many relationship instead. Therefore, establishing the many-to-many relationship requires the creation of a distinct entity that serves as the intermediary, which is precisely what option C accomplishes.

8. During the 1-click Publish, what is generated along with the application model?

A. Only HTML and CSS

B. .Net Code, HTML, JavaScript, and CSS

C. Java Code and XML files

D. Python scripts and stylesheets

When an application in OutSystems is published using the 1-click Publish feature, a comprehensive set of outputs is generated to ensure that the application is ready for deployment. This includes not only the application model but also essential components that facilitate its functionality and appearance. The correct answer highlights that .Net code, HTML, JavaScript, and CSS are all part of the generated output. Specifically, .Net code is crucial for server-side operations, allowing the application to interact with databases and perform backend logic. HTML and CSS are necessary for defining the structure and style of the web pages, while JavaScript enhances interactivity and client-side functionality. This combination forms the full tech stack required for the application to perform correctly in a web environment. In contrast, the other options present subsets of what OutSystems actually generates during the publish process, missing key elements that are critical for a fully functional web application.

9. Which of the following statements is false regarding Reactive Web Apps?

A. A reactive web application is an application for multiple devices

B. Data requests are synchronously executed

C. The code generated by OutSystems results in a single-page application

D. A developer creates a Reactive Web App in Service Studio

The statement that data requests are synchronously executed is false in the context of Reactive Web Apps. Reactive Web Applications developed in OutSystems leverage asynchronous data fetching, allowing for smoother performance and a more responsive user experience. In this architecture, data requests are handled in the background, preventing the UI from freezing while waiting for data responses. This asynchronous behavior is crucial in maintaining the interactive nature of single-page applications, which is what Reactive Web Apps aim to achieve. The other statements are true and align with the characteristics of Reactive Web Apps. They are indeed designed to function across multiple devices, ensuring that a seamless user experience is maintained regardless of the device used. The code generated results in a single-page application, emphasizing efficiency and speed in user interactions. Additionally, developers create these applications using Service Studio, a development environment specifically tailored for OutSystems app development, which supports the rapid application development model.

10. Which statement regarding indexes is correct?

A. Custom indexes cannot be added to an entity.

B. The indices speed up data recovery without any impact.

C. Unique indexes help to avoid duplication of data.

D. Indexes on referenced attributes cannot be deleted.

Unique indexes serve a critical function in a database by ensuring that all values in a column (or a combination of columns) are unique. This means that when you create a unique index on a specific attribute, the database will reject attempts to insert duplicate values in that column, effectively preventing data duplication. This is particularly useful in maintaining data integrity and consistency within the database, as it enforces rules about the uniqueness of certain records. The other statements present inaccuracies about how indexes function or their characteristics. Custom indexes can typically be added to entities in many database systems. While indexes do improve the speed of data retrieval, they can also consume additional storage space and may slow down data modification operations such as inserting or updating records. Additionally, while it is common practice to manage indexed attributes, there are scenarios where indexes on referenced attributes can indeed be deleted, depending on the database management system's policies and constraints.

Next Steps

Congratulations on reaching the final section of this guide. You've taken a meaningful step toward passing your certification exam and advancing your career.

As you continue preparing, remember that consistent practice, review, and self-reflection are key to success. Make time to revisit difficult topics, simulate exam conditions, and track your progress along the way.

If you need help, have suggestions, or want to share feedback, we'd love to hear from you. Reach out to our team at hello@examzify.com.

Or visit your dedicated course page for more study tools and resources:

https://outsystemsassociate.examzify.com

We wish you the very best on your exam journey. You've got this!