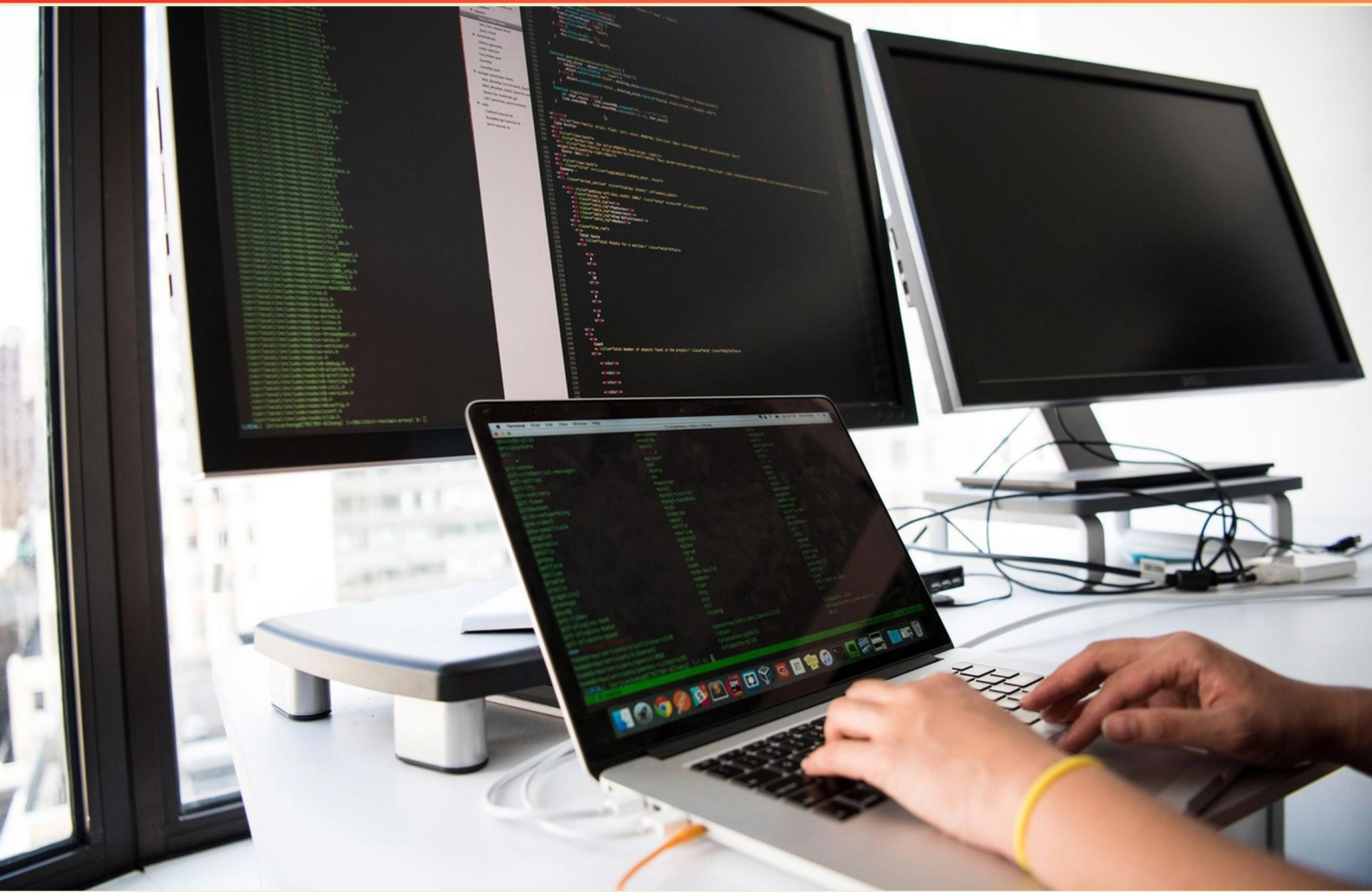


OUTSYSTEMS ASSOCIATE PRACTICE EXAM (SAMPLE)

STUDY GUIDE



SAMPLE STUDY GUIDE WITH LIMITED QUESTIONS

**VISIT US ONLINE FOR
THE FULL VERSION STUDY GUIDE**

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Table of Contents

Copyright	1
Table of Contents	2
Introduction	3
How to Use This Guide	4
Questions	5
Answers	8
Explanations	10
Next Steps	16

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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. 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.

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. 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

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- 1. Which of the following options is correct regarding hidden columns in aggregates?**
 - A. Hiding columns in the aggregate affects only the view of the output.
 - B. Empty columns in the database are automatically hidden.
 - C. Hidden columns help to optimize the aggregate.
 - D. Hidden columns are not part of the output.
- 2. Which of the following correctly describes the outcome of a failed database operation in OutSystems?**
 - A. A database exception is always raised.
 - B. It can be managed through exception flows.
 - C. No action is taken on failure.
 - D. It logs all issues automatically.
- 3. 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
- 4. Which event is utilized to set focus on a particular widget?**
 - A. Ready
 - B. Render
 - C. Destroy
 - D. After Fetch
- 5. Which function cannot be used on an integer data type in an Aggregate?**
 - A. Count
 - B. Average
 - C. Median
 - D. Max

- 6. 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.
- 7. What should be included to filter vehicle searches by plate or model to ensure the screen updates accordingly?**
- A. Add a new screen
 - B. Include a filter in the aggregate with Vehicle.Plate or Vehicle.Model
 - C. Add a button to refresh the data
 - D. Use a search bar with static values
- 8. Which method is not part of user management in OutSystems?**
- A. Create user roles during log in.
 - B. Programmatically create users using Actions.
 - C. Modify user roles.
 - D. Delete user accounts.
- 9. In OutSystems, an Entity Identifier must meet which requirement?**
- A. Must be set to Auto Number
 - B. Is created automatically and cannot be modified
 - C. Must have its Data Type set to Long Integer
 - D. Can only be a single attribute
- 10. Regarding Block events, which statement is FALSE?**
- A. You can shoot the event within a Client Action defined in the logic tab
 - B. Block events can be triggered by user actions
 - C. Events can be listened to in the screen's logic
 - D. Block events cannot be triggered internally

Answers

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

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Explanations

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1. Which of the following options is correct regarding hidden columns in aggregates?

- A. Hiding columns in the aggregate affects only the view of the output.**
- B. Empty columns in the database are automatically hidden.
- C. Hidden columns help to optimize the aggregate.
- D. Hidden columns are not part of the output.

Hiding columns in an aggregate primarily influences the presentation layer of the application rather than altering the structure of the data itself. When columns are hidden, they are still processed and included in the underlying data retrieval by the aggregate, but they simply do not appear in the final output rendered to the user or in any binded UI element. This feature is particularly useful for maintaining data integrity and security while allowing developers to refactor output views without altering core aggregate logic. The other statements do not accurately reflect the function of hidden columns. For instance, while empty columns in a database might not generate any output, they are not automatically hidden by the aggregate. Additionally, hidden columns do not contribute to optimizing performance; their primary role is related to the visibility in the UI. Lastly, while hidden columns are not visible in the output, they are still part of the aggregate's data processing, distinguishing them from being completely excluded from the aggregate itself.

2. Which of the following correctly describes the outcome of a failed database operation in OutSystems?

- A. A database exception is always raised.
- B. It can be managed through exception flows.**
- C. No action is taken on failure.
- D. It logs all issues automatically.

When a database operation fails in OutSystems, it often triggers an exception that can be managed through exception flows. This means that OutSystems provides a mechanism to handle errors gracefully, allowing developers to implement specific responses to various types of exceptions. For example, if a connection fails or a constraint is violated, the system can redirect the flow of execution to a predefined exception flow, where you can log the error, show user-friendly messages, or attempt recovery actions. This feature is especially useful for maintaining the user experience and ensuring that the application can respond effectively to unexpected situations. In contrast, while a database exception could be raised, it is not always guaranteed and is not the primary outcome; the system allows for structured handling of such cases through exception flows. Additionally, simply logging all issues automatically doesn't encompass the scopes of managing the failures effectively within the application context, nor does it directly involve a user experience element. A total lack of action on failure contradicts the intended resilience and user experience often expected in well-designed applications.

3. 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.

4. Which event is utilized to set focus on a particular widget?

- A. Ready**
- B. Render
- C. Destroy
- D. After Fetch

The event used to set focus on a particular widget is the Ready event. This event is triggered when the screen and all its elements have been rendered on the client's browser, making it the ideal moment to execute scripts that need to interact with the user interface, such as setting focus on a specific widget or element. Using the Ready event allows developers to ensure that the widget they want to focus on is fully initialized and visible before attempting to set focus. This is essential because trying to manipulate a widget that isn't fully rendered could lead to errors or undesired behavior. The other events listed serve different purposes. The Render event is useful for executing actions immediately after the screen is rendered but may not be reliable for setting focus since specific DOM manipulations might not yet be practical at that stage. The Destroy event is invoked when a screen or widget is being removed, which is not relevant for setting focus, as it occurs too late in the lifecycle. After Fetch is tied to data retrieval operations and generally relates to the completion of data loading rather than UI manipulations like focusing widgets.

5. Which function cannot be used on an integer data type in an Aggregate?

- A. Count
- B. Average
- C. Median**
- D. Max

In the context of using aggregate functions in OutSystems, the median is not typically applicable to integer data types in the same way that the other functions are. The count function is used to tally the number of occurrences of values in a dataset, which applies to any data type, including integers. The average function calculates the mean value of a set of numbers, and it is also valid for integer data types as it can compute the average value regardless of whether the inputs are integers. The max function identifies the highest value in a set of integers, which is straightforward as it directly relates to numeric comparison. However, the median is a statistical measure that requires sorting a dataset and finding the middle value or the average of the two middle values in the case of an even number of entries. In many aggregate frameworks, including OutSystems, the median function is often not implemented for certain data types or may require special handling that might not directly apply to integer data types. This distinction sets the median apart from the other functions listed, as it may not be supported directly or efficiently in the context of aggregates for integers.

6. 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.

7. What should be included to filter vehicle searches by plate or model to ensure the screen updates accordingly?

- A. Add a new screen
- B. Include a filter in the aggregate with Vehicle.Plate or Vehicle.Model**
- C. Add a button to refresh the data
- D. Use a search bar with static values

To properly filter vehicle searches by plate or model so that the screen updates accordingly, it is essential to include a filter in the aggregate with Vehicle.Plate or Vehicle.Model. This approach directly connects the data retrieval process with the specific search criteria. By implementing the filter within the aggregate, the application efficiently retrieves only the records that match the user's input, ensuring that the displayed results are relevant and up-to-date based on the user's selection. This method takes full advantage of the capabilities of aggregates to filter data at the database level before it is sent to the application. This optimizes performance and user experience, as users will see instant updates to the displayed vehicles according to their search inputs without requiring additional steps or reloads. It enhances the interactivity of the application, making it user-friendly. In contrast, other options either do not address the need for dynamic filtering or lead to less efficient implementations. For example, adding a new screen does not provide the necessary integration for real-time updating based on user input. A button to refresh the data may allow for updating, but it is not as seamless as directly filtering in the aggregate. Similarly, using a search bar with static values would limit the search capability to predefined options, which is not suitable for a functional search feature

8. Which method is not part of user management in OutSystems?

- A. Create user roles during log in.**
- B. Programmatically create users using Actions.
- C. Modify user roles.
- D. Delete user accounts.

Creating user roles at the time of login is not a standard method of user management in OutSystems. User roles are typically defined and configured within the application to manage permissions and access control effectively before users log in. This means that user roles should already be established and assigned to users, rather than being created during the login process. In contrast, the other methods mentioned directly relate to established practices in user management. Programmatically creating users using Actions allows developers to add users efficiently through the application logic, while modifying user roles and deleting user accounts are also functions that are integral to managing user access and permissions within the platform. These capabilities allow proper administrative control over users and their roles but do not allow for the real-time creation of roles during user authentication events.

9. In OutSystems, an Entity Identifier must meet which requirement?

- A. Must be set to Auto Number
- B. Is created automatically and cannot be modified
- C. Must have its Data Type set to Long Integer
- D. Can only be a single attribute**

In OutSystems, the requirement that an Entity Identifier can only be a single attribute is correct because the Entity Identifier is designed to provide a unique key for each record in an entity. This uniqueness ensures that each instance of the entity can be distinctly identified and accessed. Typically, having a single attribute as the identifier simplifies operations like querying, updating, and deleting records. While it is possible to create a composite key using multiple attributes for identifying records in some databases, OutSystems specifically encourages the use of a single attribute for entity identifiers to maintain consistency, ease of use, and performance. The focus on a single attribute helps developers avoid complexities that can arise with composite keys, such as difficulties in referencing or establishing relations with other entities. Consequently, this design choice aligns with best practices in database design and usability within the OutSystems platform.

10. Regarding Block events, which statement is FALSE?

- A. You can shoot the event within a Client Action defined in the logic tab
- B. Block events can be triggered by user actions
- C. Events can be listened to in the screen's logic
- D. Block events cannot be triggered internally**

Block events are crucial components in OutSystems as they allow for communication between different elements within the application, enhancing modularity and reusability. The statement about block events being able to be triggered internally is indeed false. In OutSystems, block events are designed to be invoked from external sources, such as user actions or other components in the application. This design encourages better separation of concerns, as blocks can encapsulate their logic and only expose specific events that can be listened to or triggered from outside. Being able to shoot an event within a Client Action defined in the logic tab is accurate because it allows developers to trigger events based on specific processes or user interactions that occur in the application's client-side logic. Similarly, block events can indeed be triggered by various user actions, such as button clicks or form submissions, thereby facilitating an interactive user experience. It's also true that events can be listened to in the screen's logic, enabling developers to handle those events and perform appropriate actions based on user interactions. Understanding these mechanics of block events is essential for creating efficient and modular applications within the OutSystems platform.

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!

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