

# Practice Test (Associate Web Developer Exam)

by: Rafa OutSystems



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1. When inserting the Comment Widget on a page, the behavior will be:

- ☐ The comment is a visible reminder for end users of the deployed application.
- ☐ The comment becomes a reminder to end users of the application if the developer sets it up.
- ☐ This Widget can only be used on the backend.
- ☒ The widget is not displayed to end users and can be used as a reminder for developers.

2. About page titles in the browser:

- ☒ It is possible to modify so that the information is dynamic through the "Title" property.  
***It is possible to modify the page title at run time from the "Title" property.***
- ☐ The page name in the browser is the name given to the Web Screen in Service Studio.
- ☐ It is possible to modify to static text only.
- ☐ None of the options is correct.

3. About the "Max. Length" property of an Input Widget, it is correct to state:

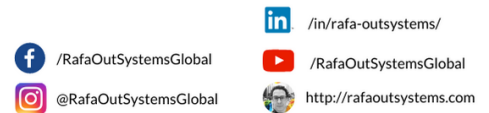
- ☐ The size of this field cannot be less than the size of the database attribute to which it is linked.
- ☐ To save more characters in the database than initially defined, increase the maximum size supported by Input.
- ☒ The maximum size must be less than or equal to the size of the entity's attribute to avoid run-time errors.  
***A database exception can be invoked if the user enters more characters than is supported by the database attribute linked to the Input field.***
- ☐ It is not possible to modify this field, since the number linked to it is configured in the database entity.

4. The entity "Entity1" has one of its attributes with the type User Identifier. When making an automated query, what type of Join will be automatically implemented by the platform?

- ☐ With Or Without.
- ☒ Only With.
- ☐ Left Join.
- ☐ With.

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5. Regarding the implementation of e-mails, it is correct to state:

- ☐ It cannot be configured as a public element.
- ☐ It is possible to attach files natively through the Platform.
- ☐ Errors are generated in the Service Center if the recipient is empty at the time of shipment.
- ☒ All options are correct.

6. About the APP Feedback tool that the Platform has natively, it is correct to state:

- ☐ When enabled, it requires users from all environments to provide feedback on applications.
- ☐ It is activated by environment and obligatorily for all applications implemented there.
- ☒ It can be configured by environment and removed on specific pages within modules.
- ☐ All options are correct.

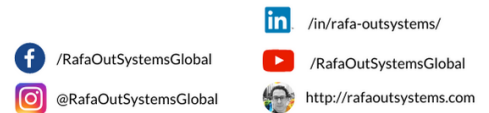
7. Select the correct option:

- ☐ Modules cannot share elements with each other.
- ☐ Applications cannot share elements with each other.
- ☐ Modules cannot share and consume elements simultaneously.
- ☒ Modules can share elements with each other.

***Modules can share public elements with each other.***

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8. The following elements can be exposed as public:

- ☐ Entities, Site Properties, Session Variables.
- ☐ Entities, Site Properties, Session Variables, Screen Actions.
- ☐ Entities, Web Screens, Screen Actions.
- ☒ Server Actions, Static Entities.

***It is not possible to expose Site Properties, Session Variables and Screen Actions as public.***

9. About primary keys in OutSystems. Select the most complete option:

- ☐ Primary keys can have basic types only.
- ☐ Primary keys can be the identifier of another entity.
- ☒ Primary keys can have the types: integer, text and identifiers of other entities.

***This option has the largest number of correct types.***

- ☐ Primary keys can have the types: integer and identifiers of other entities only.

10. Regarding input parameters, it is correct to state:



- ☐ Input parameters are mandatory.
- ☒ It is not possible to set default value for mandatory parameters.




***It is possible to create more than one input parameter to elements (Actions and Screens, for example), they can have the list type (it is a good practice not to use this type for this case) and you can choose which parameters are mandatory (for non-mandatory ones can be set to a default value).***

- ☐ It is not possible to have more than one for the same element.
- ☐ Input parameters cannot have the list type.

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11. About Structures, it is correct to say:

- ☐ They can be persisted in the database.
- ☐ They are variables.
- ☐ They are entities.
- ☒ They can have list type attributes.

***A Structure is a composite data type used to encapsulate groups of related attributes.***

12. It is incorrect to state:

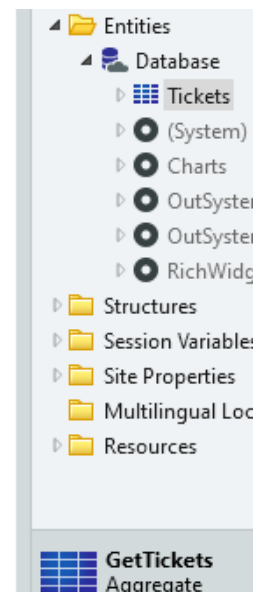
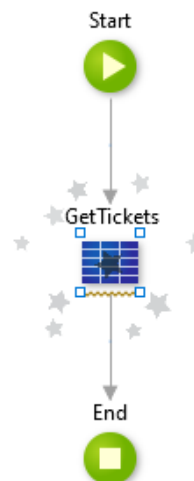
- ☐ Local variables can be manipulated in the preparation.
- ☒ Preparation is a mandatory element.
- ☐ Non-mandatory input parameters may have a default value.
- ☐ Web Screens can have more than one input parameter, mandatory or not.

***Preparation is not mandatory on Web Screens or Web Blocks.***

13. The action reproduced in the image represents:

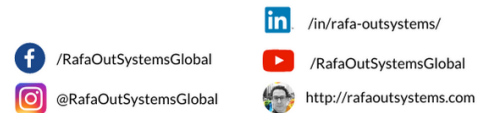
- ☐ Creating an empty query.
- ☐ The query for the last persisted record in the "Tickets" table.
- ☐ The query for a persisted ticket to update the record.
- ☒ The query for all records in the "Tickets" table.

***When you drag an entity into a stream, the automatically generated query searches for all records.***



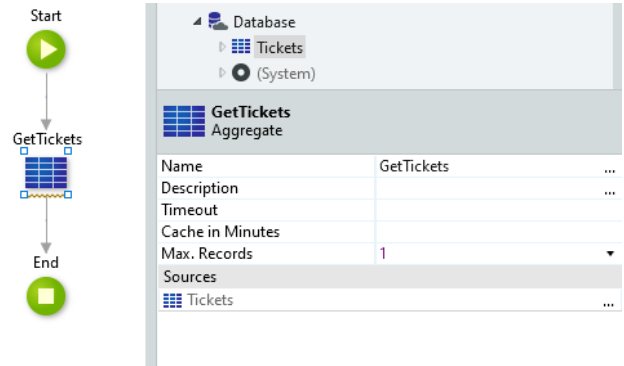
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14. Select the option that best describes what the image represents:

- ☐ The query for the last persisted record in the "Tickets" table.
- ☐ The query for all records in the "Tickets" table.
- ☒ Querying a record in the "Tickets" table.  
**The "Max. Records" property is set to 1. This means that the query will only bring 1 record, however, the image does not specify whether the query is ordered by any attribute or not.**
- ☐ The query of all the records in the "Tickets" table, ordered in alphabetical order.



15. In OutSystems, the following options of deletion rules are available to guarantee the referential data integrity:

- ☒ Protect and Delete, only.  
**Although "Ignore" is one of the options, it does not guarantee referential integrity.**
- ☐ Protect and Ignore, only.
- ☐ Delete and Ignore, only.
- ☐ None of the options is correct.

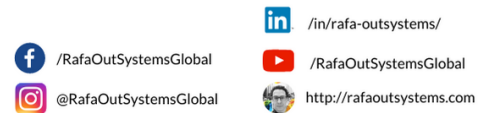
16. The "Download" button has the "Submit Method" property equal to "Submit". When the user triggers the execution of the button:

- ☐ The system will trigger an error message and end execution.
- ☐ The system will download an empty file, since there is an Ajax Refresh in the flow.
- ☒ The system will download the file.  
**As the current call to Screen Action is a submit, Ajax Refresh will be ignored and the download will proceed as expected.**
- ☐ The system will not execute the flow, since the developer has not indicated the end of the flow through an End Node or Destination.



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17. About Built-in Validations, it is incorrect to state:

- ☒ Validations are performed only when data is submitted to the server.  
***It is possible to have validations being performed even before the data is sent to the server, the Client type validations.***
- ☐ Links and buttons with the Navigate method have no validations.
- ☐ Validations with the Submit method are performed only when the data is submitted to the server.
- ☐ The type of validation influences how the validations will be performed.

18. When using the "Debug" feature in OutSystems:

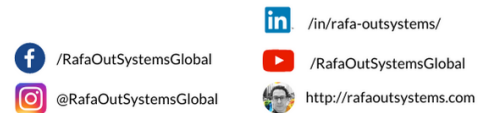
- ☐ End-users can submit runtime error feedbacks to system administrators.
- ☐ Developers can analyze error logs so that they can identify problems in the implementation.
- ☒ Developers can run the code in a step-by-step manner and analyze variable values at run time.  
***Visual Debug is one of the great differentials of the Outsystems platform. Visually it is possible to check the point being executed and the value of the variables in real time during the execution of the code.***
- ☐ It is possible to identify slow queries and monitor the sending of emails.

19. About Web Blocks, it is incorrect to state:

- ☒ They use output parameters to notify the parent element (Web Screen or Web Block).  
***Web Blocks cannot have output parameters.***
- ☐ It does not allow recursion.
- ☐ The same Web Block can have multiple instances in the same parent element.
- ☐ Only Web Blocks have Placeholders.

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20. About Roles, it is correct to say:

- ☒ All application users have the "Registered" Role.  
***Every user, when authenticated, automatically has the Role Registered. This differentiates them from anonymous users, that is, those who have not authenticated.***
- ☐ Roles cannot be shared between modules.
- ☐ It is necessary to create Role Anonymous for new applications.
- ☐ Roles are used to control user access exclusively through the "Roles" property of pages.

21. Regarding session, it is incorrect to state:

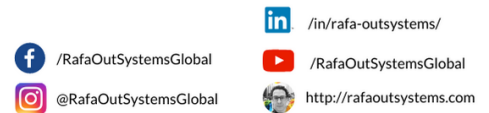
- ☐ Session data is persisted in the database.
- ☐ The session is created on the first request submitted to the server.
- ☐ The data is linked individually to each user.
- ☒ The session data does not expire.  
***Every session has a lifetime, and all data is drained with it.***

22. About Site Properties, it is incorrect to state:

- ☐ They can be modified through the Service Center.
- ☒ Supports basic data types, entity identifiers and lists (this should be avoided for reasons of good practice).  
***You cannot define lists in Site Properties.***
- ☐ The values are never reset.
- ☐ The values are the same for all users of the system.

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23. About Web Services, it is incorrect to state:

- ☐ It is possible to consume and expose SOAP and REST API's services using OutSystems.
- ☐ Requests and responses to SOAP services have XML format.
- ☐ For SOAP services, the contract formalized in a WSDL file is generated.
- ☒ Documentation is automatically generated for SOAP and REST API's services.

***Automatic documentation is generated only for REST API's.***

24. Scaffolding:

- ☐ It is a feature that allows the developer to analyze the code executed step by step.
- ☒ It is an accelerator that allows the creation of pages with greater speed.  
***The Outsystems platform allows, through drag'n'drop of certain elements, to accelerate the construction of pages and visual elements. This process is known as Scaffolding.***
- ☐ It is a feature that generates templates with fictitious data.
- ☐ It is a feature that allows applications to be deployed between environments.

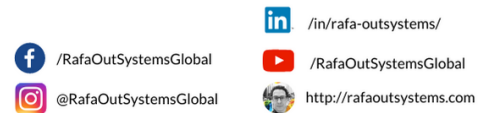
25. When you drag a button to the page, the "Submit Method" property, by default, has the value:

- ☐ Ajax Submit.
- ☒ Submit.
- ☐ Navigation.
- ☐ None.



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26. Which of the following items cannot be entered as a destination for buttons and links?

☐ Web Screen.

☒ Web Block.

**Web Blocks are widgets that can be added to web screens and other Web Blocks, but cannot be accessed directly and therefore cannot be used as a destination for links and buttons.**

☐ Screen Action.

☐ None of the options is correct.

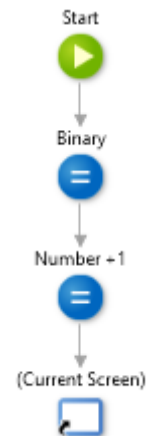
27. The "Submit" button on a page has the "Submit Method" property set to "Submit" and the Screen Action flow as represented in the image. What will happen at the end of the flow execution?

☐ The page will be rebuilt, but Preparation will not be executed.

☒ The variables and widgets will have their values reset.

☐ The page preparation will be performed, the page will be rebuilt, variables and widgets will have their values preserved.

☐ The flow will be executed, but no changes will be seen by the user, since the developer did not use Ajax Refresh to update the state of the page.



28. The image can be a representation of:

☐ An Ajax Refresh Action.

☒ Using a List Remove action to remove a record from a Table Records.

**In a Screen Action when directly manipulating the list of a Table or List Record this action automatically makes ajax refresh in the corresponding list widget.**

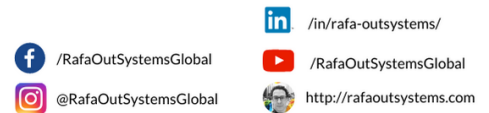
☐ The use of a List Append action to insert a record into a Table Records.

☐ A Server Action with a custom icon.



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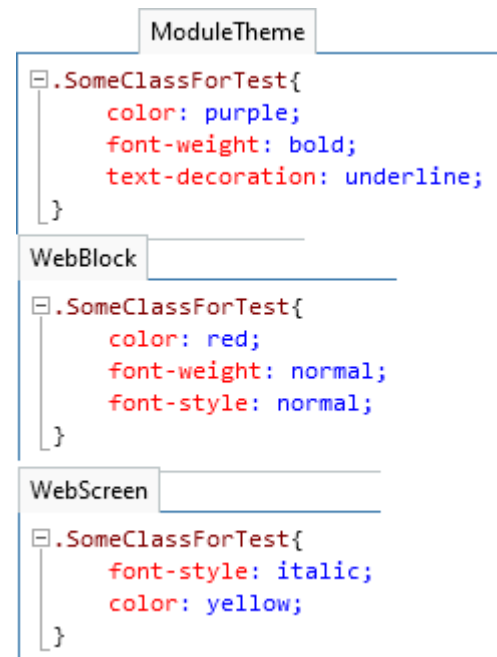


29. Observe the image and, considering the hierarchy of style elements, what will be the style applied to a Widget Expression that is inside a Web Block and has the "SomeClassForTest" class assigned?

- ☐ Red, italic, bold and underlined font.
- ☐ Yellow and italic font.
- ☒ Yellow, bold, italic and underlined font.

**Considering the hierarchy of elements in OutSystems, the instance of the class that has the highest hierarchy is on the page (Web Screen), therefore, elements that were defined in the module's Theme were overwritten by the style of the page.**

- ☐ Purple, bold and underlined font.



30. The image represents the assembly of a list's paging logic. System users are reporting that when pagination the list, the displayed records change, but the pagination number does not. Indicate the option that describes the correct solution.

- ☐ Pagination does not work properly due to the Widget Accordion that is involving Widget List Records.
- ☐ Pagination does not display the number correctly because the flow is not executing the Action "ResetStartIndex".
- ☒ You must update the Container List\_Wrapper with Ajax Refresh.

**Through the illustration shown by the image it is possible to verify that the Container List\_Wrapper is involving all the content that must be updated so that the list is paginated and the information is correctly displayed to the user.**

- ☐ The flow shown in the image shows that the ListRecords widget is being updated with Ajax Refresh. Only the List\_Counter widget must be updated for the number to be updated.

