

1. When using a link to navigate to another screen, an event sequence are fired until the destination screen is displayed for the user. From which event the transition from a screen to another starts?

- ☐ After the target screen onready
- ☒ After the first onrender of the destination screen
- ☐ After the source screen
- ☐ After the oninitialize of the destination screen

2. Which of the options CAN'T be used to terminate a flow in a client action defined on the screen?

- ☐ End
- ☐ Raise Exception
- ☐ Download
- ☒ JavaScript

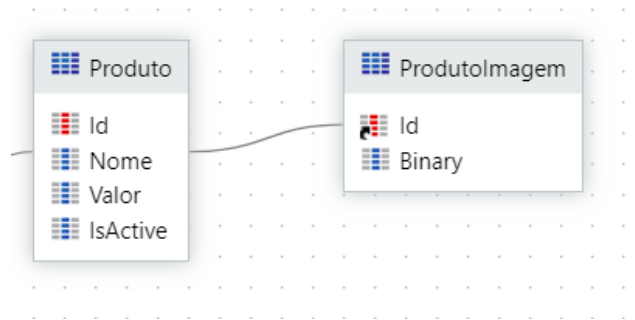
3. Complete the affirmative:

The usage of \_\_\_\_\_ allows part of the interface to be reused, and any change in it reflects everywhere it is used.

- ☒ Blocks
- ☐ CSS
- ☐ JavaScript
- ☐ Variables

4. Customer wants to categorize their products into three different types: Toys, Utilities and Tools. Which is the most appropriate way to do this?

- ☐ Creating a Text field named Produto.Tipo and informing the "toy", "utility" or "tool" types
- ☐ Creating an Integer Field Produto.Tipo in which 1 represents Toy, 2 represents Utility, and 3 represents Tool
- ☐ Creating a new entity called TipoProduto, create a bootstrap from Excel with the three types, and then create the Produto.TipoProdutold with type TipoProduto Identifier
- ☒ Creating a new static entity called TipoProduto with the respective records and create the TipoProduto Identifier field named Produto.TipoProdutold

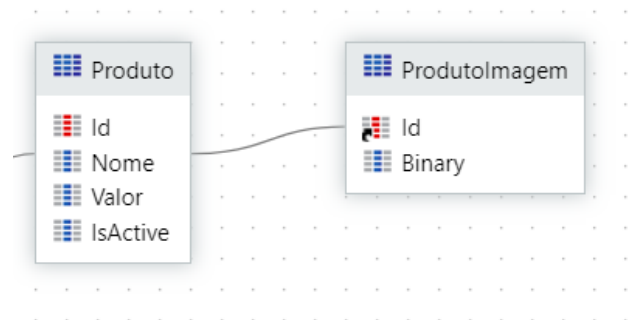


5. About Blocks, select the CORRECT alternative

- ☒ You can define custom events
- ☐ It can't be shared with other modules
- ☐ It can only be used on screens
- ☐ It may have output parameters

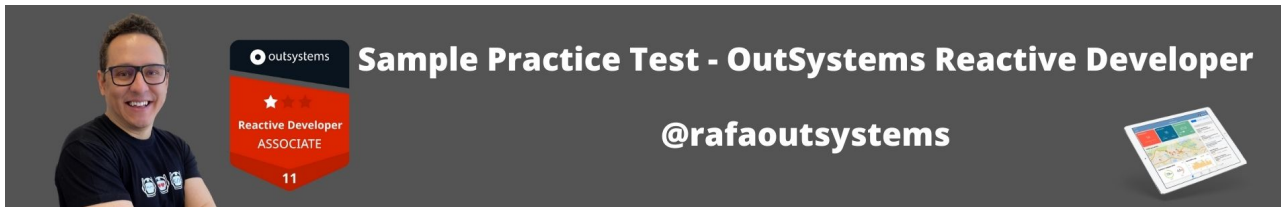
6. Which is the data type of ProdutoImagem.Id?

- ☐ Long Integer
- ☐ ProdutoImagem Identifier
- ☒ Produto Identifier
- ☐ Binary



7. At which point is the OnReady event triggered?

- ☒ When the DOM is fully loaded
- ☐ Immediately after the OnInitialize
- ☐ Immediately after the OnRender
- ☐ When all Aggregates and Data Actions have just transferred all the data



8. About Site Properties, select the CORRECT alternative

- ☐ You can access it directly on a Client Action
- ☒ You can change its value in the Service Center
- ☐ We can't access it directly on a Server Action
- ☐ It Assumes the default value after logout

9. About Client Actions defined on a screen, it is CORRECT to say that:

- ☒ You can use it within another client Action defined on the same screen
- ☐ You can use it within a Client Action defined in the Logic tab
- ☐ You can use it within a Server Action
- ☐ You can use within another client action defined on a different screen

10. Considering the aggregate of the image, what should be done to return the total value per order?

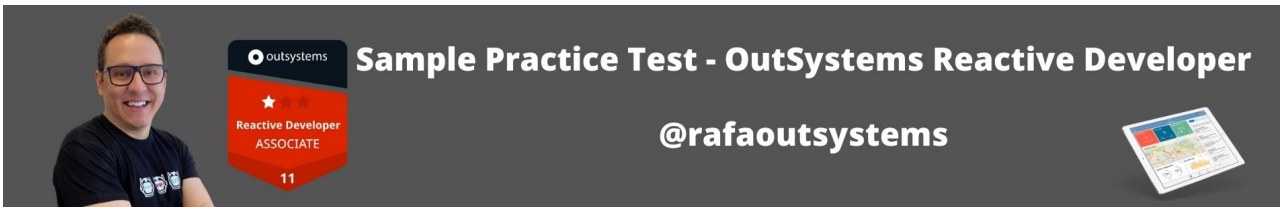
☒ Create a new attribute with the expression `Produto.Valor * PedidoProduto.Quantidade` and group with the SUM function

☐ Group by `Produto.Valor` and `PedidoProduto.Quantidade` and subsequently add the values using a foreach

☐ Group `Produto.Valor` with the SUM function and `PedidoProduto.Quantidade` with the Average function and multiply on an Expression on the screen

☐ Create a new attribute with the expression `Produto.Valor * PedidoProduto.Quantidade` and group with the Average function

Group of Id	PedidoId	ProdutoId	Quantidade	Nome	Valor	IsActive
1	1	4		2 Boneca Barbie	35.99	true
	1	2		5 Carrinho Rodas Quentes	8.99	true
	2	3		1 Caminho Robô	125.99	true
2	2	1		2 Langa Dardos FREN	89.99	true
	2	4		2 Boneca Barbie	35.99	true



11. A "car" entity refers to the "brand" entity through the BrandId column. Considering that this column has the property DeleteRule=Protect, what will happen if we try to delete a brand that is being used by the "car" entity?

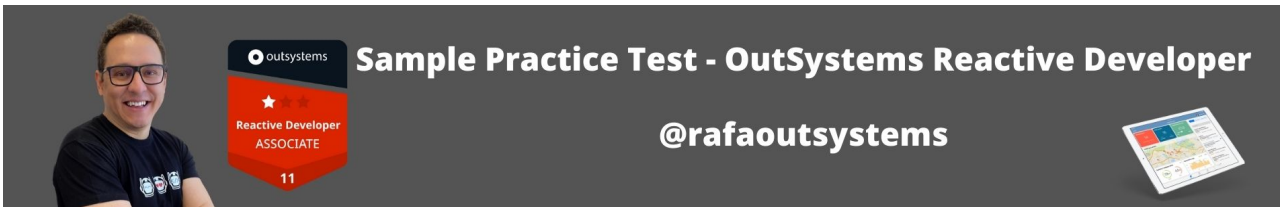
- ☐ A Database Exception will be raised and the cars of this brand will be deleted
- ☒ A Database Exception will be raised and no car will be deleted
- ☐ All cars of this brand will be deleted in cascade
- ☐ All cars of this brand will be orphans

12. About Blocks, select the INCORRECT alternative

- ☐ You can define custom events
- ☐ It can be shared with other modules
- ☒ It can only be used on screens
- ☐ It may have input parameters

13. Which of the events can't be triggered by a screen?

- ☐ OnDestroy
- ☒ OnParametersChanged
- ☐ OnInitialize
- ☐ OnRender



14. About Server Actions, it is INCORRECT to say that:

- ☐ You can use it within a Client Action defined in the Logic tab
- ☒ You can use it in the onclick attribute of a link
- ☐ You can use it inside another Server Action
- ☐ You can use it within a Client Action defined on a screen

15. About Block events, select the FALSE alternative

- ☐ You can trigger the event within a Client Action defined in the Block
- ☒ You can shoot the event within a Client Action defined in the Logic tab
- ☐ It is possible to give the Parent information through the Input Parameters of the event
- ☐ You can trigger the event on the OnClick of a button

16. What kind of information should NEVER be stored in Client Variables?

- ☐ Number of login attempts
- ☒ Passwords
- ☐ Username
- ☐ User Preferences

17. At Service Center, under the Monitoring tab, which screen is used to access the logs generated by the LogMessage Action?

- ☐ Error
- ☒ General
- ☐ Integrations
- ☐ Extensions

18. When analyzing the bootstrap process below, it is CORRECT to say that:

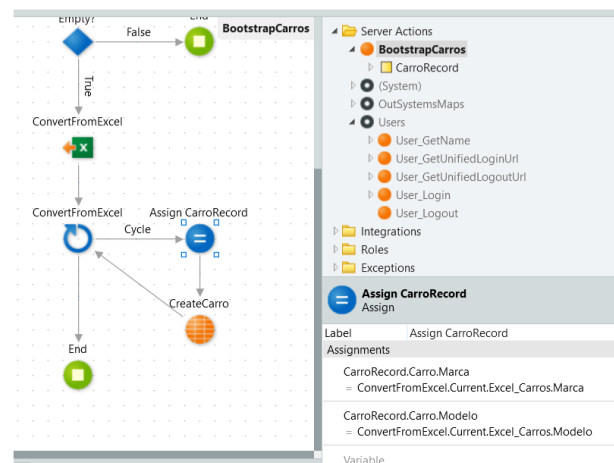
- ☐ All records will have IsLuxo=False
- ☐ No record will be imported because the IsLuxo field is required and has not been informed
- ☒ All records will have IsLuxo=True
- ☐ All records will be imported and the IsLuxo column will be NULL

Carros.xlsx

	A	B
1	Marca	Modelo
2	Ford	Ka
3	Fiat	Uno
4	VW	Fusca
5	BMW	X4
6	Ford	Mustang
7	GM	Celta

Entities

Name	IsLuxo
Carro	
Id	
Marca	
Modelo	
IsLuxo	



19. At which point does the OnParametersChanged event is triggered on a block?

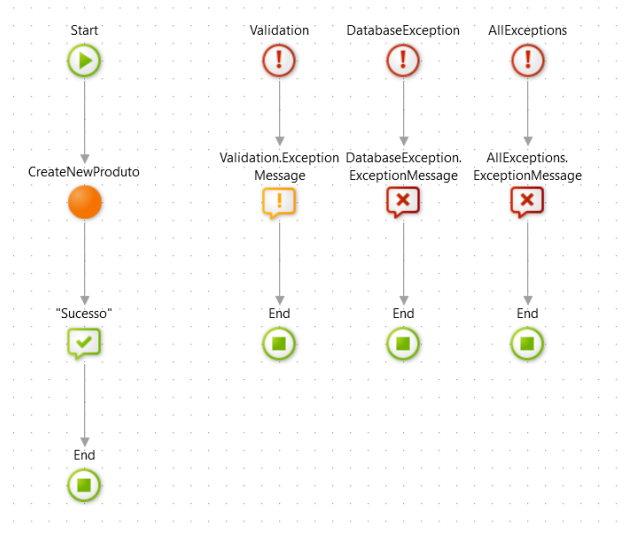
- ☐ When a Client Action in this Block uses TriggerEvent informing OnParametersChanged on the "Event" property
- ☐ When the value of some Input Parameter of this Block is changed inside it
- ☒ When the value of some Input Parameter of a block is changed in the Parent
- ☐ When the Parent uses TriggerEvent informing OnParametersChanged on the "Event" property

20. Which data type can not be assigned to a Site Property?

- ☐ Integer
- ☐ Text
- ☒ Record
- ☐ DateTime

21. Considering that the Action CreateNewProduto checks if the value of the product is negative before creating a product and throws an User Exception called Validation if the value is negative, what will happen if a positive value is informed and the connection with the Database is unavailable?

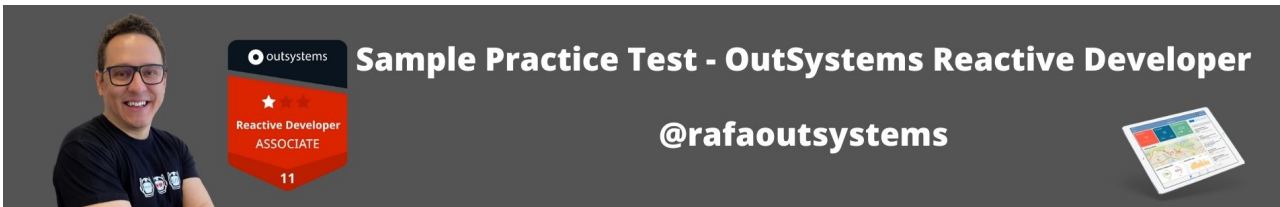
- ☐ The product will be created in the database and success feedback will be displayed
- ☐ The product will not be created and the Validation Exception Handler will be executed, displaying a Warning feedback.
- ☒ The product will not be created and the Database Exception Handler will be executed, displaying a Warning feedback.
- ☐ The product will not be created and the AllExceptions Exception Handler will be executed, displaying an error feedback.



22. A module "A" has the screens that a user interacts. It uses an Action of module B. How can you use the Debug feature in this action of module B?

- ☐ Creating a Breaking Point in A and B
- ☐ Creating a Breaking Point in B
- ☐ You can not debug a module from another.
- ☒ Creating a Breaking Point in the desired Action in B and setting the Entry Module in A





23. Consider a screen with an aggregate with the property Fetch=AtStart. At what point does the request to this Aggregate be triggered?

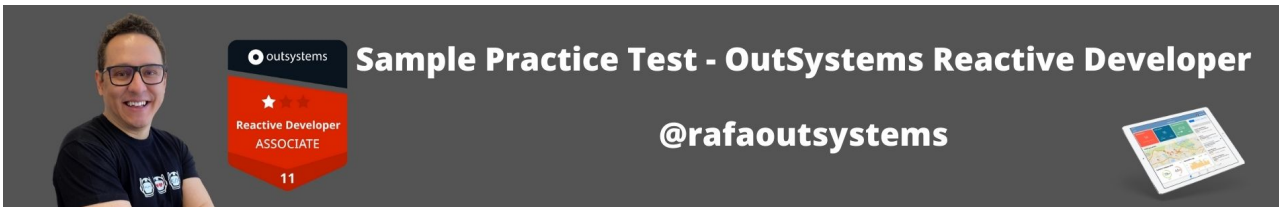
- ☒ Immediately after the OnInitialize event
- ☐ Immediately after the OnRender event
- ☐ Immediately after OnReady event
- ☐ Immediately after the OnDestroy of the previous screen

24. About Client Actions defined in Logic tab, it is INCORRECT to say that:

- ☐ You can use it within another client Action defined in the Logic tab
- ☐ You can create a recursion
- ☒ You can use it within a Server Action
- ☐ You can use it within a Client Action defined on a screen

25. When browsing from screen A to B, at which moment the OnDestroy event of the screen A is triggered?

- ☐ When the DOM of the screen B is fully loaded and before the transition from screen A to B
- ☒ After the transition from screen A to B and before the DOM of the screen A is destroyed.
- ☐ After the transition from screen A to B and after the DOM of the screen A is destroyed.
- ☐ Before the DOM of the screen B is fully loaded



26. The best way to receive from the user a value restricted to a small list is through a ...

- ☐ Input
- ☐ Dropdown
- ☒ Radio Button
- ☐ Checkbox

27. Consider a screen that lists the result of an aggregate with the Fetch=At Start property. Which of the events will be triggered more than once?

- ☐ Oninitialize
- ☒ Onrender
- ☐ Onready
- ☐ OnAfterFetch

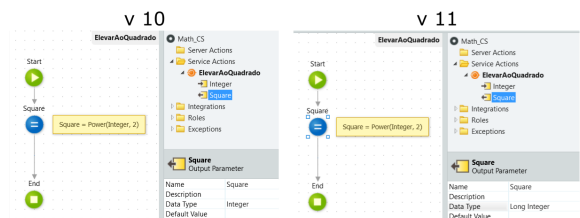
28. A module of a particular application refers to the service action illustrated in the image. Consider the changes from version 10 to 11 in the Math\_cs module and also that the main application module has only been republished without updating the references in Service Studio, what will happen when this action is invoked by the main application?

☒ A runtime error will be triggered because the reference is incompatible.

☐ It will not trigger an error. References are outdated. When calling Action passing 2 in the parameter the return will be 4

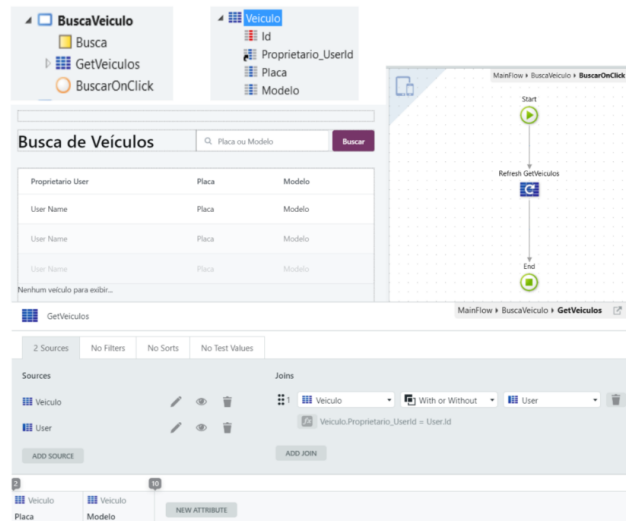
☐ It will not trigger an error. References are outdated. When calling the action passing 2 in the parameter the return will be 6

☐ There will be no error triggered. References are intact. When calling Action passing 2 in the parameter the return will be 4



29. We need to make a search in the vehicles available in the database by the plate or model of the car. When searching, however, nothing on the screen changes. What should be done to correct this problem?

- ☒ Include a filter in aggregate with `Veiculo.Placa = Busca` or `Veiculo.Modelo = Busca`
- ☐ Call an Ajax Refresh in the table after refreshing the aggregate
- ☐ Transform the variable search to input parameter, the onclick action of the Search button to navigate to the screen itself and ensure that the aggregate has the property fetch defined as At Start
- ☐ Remove the Join with the User Entity



30. At which point is the OnRender event triggered?

- ☐ When the DOM is fully loaded
- ☐ Immediately after the OnInitialize
- ☐ Only when all Aggregates and Data Actions have just transferred all the data
- ☒ After the DOM is completely loaded and whenever some data on the screen (variable, aggregate, etc ...) changes