

Exercise 30 – Set Repetition on Folder Level

Objective

By the end of this exercise, you will be able to instruct Tosca to repeat a TestStep a specified number of times.

Why is this important?

Certain processes may need actions to be repeated a certain number of times. The number of repetitions can be set within this property. For example, in this case we can use it to completely empty our shopping cart without using a WHILE statement.

Instructions

1. In the TestCase Section, navigate to **Additional Material>>Exercises>>Repetition**.
2. Within the “Empty Shopping Cart” TestCase, navigate to the “**Process>>Empty Shopping Cart**” folder.
3. Here add the following Modules in this order:
 - “WebShop | Shopping Cart”, rename it to “Verify Table Exists”.
 - “WebShop | Shopping Cart”, rename it to “Count Number of Unique Items in Cart”.
 - “TBox Set Buffer”, rename this TestStep to “Calculate Items in Cart Without Header”.
4. Make sure that the TestSteps within the “Empty Shopping Cart” Folder are in this order:
 - Navigate to Cart
 - Verify Table Exists
 - Count Number of Unique Items in Cart
 - Calculate Items in Cart Without Header
 - Update Shopping Cart
5. Inside the “Calculate Items in Cart Without Header” change the TestStepValue Name from “<Buffername>” to “ActualCartNumber”.
6. Inside the “Empty Shopping Cart” Folder, create a new TestStep Folder and name it “Select Remove”.
7. Place the “Select Remove” Folder after the TestStep “Calculate Items in Cart Without Header”.
8. In the Properties for the folder “Select Remove”, for the Attribute “Repetition”, add the value “{B[ActualCartNumber]}”.
9. Inside the Folder “Select Remove”, add the Module “WebShop | Shopping Cart”, and rename this TestStep to “Empty Cart”.
10. Enter the values within your newly created TestSteps as per the table below:

TestStepFolder	TestStep	TestStepValue	Value	ActionMode
Empty Shopping Cart	Verify Table Exists	Shopping cart Products	Exists==True	Verify
	Count Number of Unique Items in Cart	Shopping cart Products		Select
		<Row>	ResultCount->CartItems	Buffer
	Calculate Items in Cart Without Header	ActualCartNumber	{MATH[{B[CartItems]}-1]}	Input

TestStepFolder	TestStep	TestStepValue	Value	ActionMode
Select Remove	Empty Cart	Shopping cart Products		Select
		Rename "<Row>" to "\${Repetition}"		Select
		Rename "<Cell>" to "Remove" by selecting it from the dropdown		Select
		Checkbox Remove (Right under the Cell now named \${Repetition})	True	Input

11. Insert user and password credentials in the "Precondition" TestStep and run the TestCase in the ScratchBook.
12. Change the TestCase WorkState to "Completed".
13. Save your work.

Hints

- » To count the rows of a table like the one in this exercise, you could also use the function "RowCount" as shown below:

TestStepFolder	TestStep	TestStepValue	Value	ActionMode
Empty Shopping Cart	Verify Table Exists	Shopping cart Products	Exists==True	Verify
	Count Number of Unique Items in Cart	Shopping cart Products	RowCount->CartItems	Buffer
	Calculate Items in Cart Without Header	ActualCartNumber	{MATH[{B[CartItems]}-1]}	Input