

Exercise 16a - Recovery Scenarios

Objective

By the end of this exercise, you will be able to create and use Recovery Scenarios at the TestCase and the TestStepValue level.

Why is this important?

Recovery Scenarios are used to enable Tosca to react to certain common errors, e.g. an unexpected pop-up that appears randomly, on any page in your application, at any time during test execution.

Key elements:



Recovery
Scenario
Collection



Recovery
Scenario

Instructions

1. Navigate to **TestCase 1>>6c Verify Calculated Value>>Shipping Costs**. Right click on the TestCase and add a **Recovery Scenario Collection**. In the collection add a **Recovery Scenario**. Drag and drop the new Reusable TestStepBlock **"Empty Shopping Cart"** into the Recovery Scenario.
2. Set the **RetryLevel** of the Recovery Scenario to **"TestCase"**.
3. Ensure that your Tosca recovery settings are correct:
 - **Settings>>TBox>>Recovery**. Select **"Recover"** for **"On dialog failure"**, **"On exception failure"** and **"On verification failure"**
4. To see recovery work, manually open the Web Shop and log in. Add items to the shopping cart, log out and close the window. Run TestCase 1 **"Shipping Costs"** in the ExecutionList once again by right clicking on the ExecutionEntry and selecting **"Run"**. The verification will fail, however, the recovery scenarios will kick in and the TestCase will be re-run successfully.
5. In the Library Folder, add a Recovery Scenario to the Reusable TestStepblock **"Precondition"**:
 - Add the Module **"Top Menu"** and rename it **"Log Out"**, set the Value & ActionMode to perform a log out
5. Change the RetryLevel of the Recovery Scenario to **"TestStepValue"**.

Note: We will not be able to see this Recovery Scenario kick in on Internet Explorer, because closing the browser window logs you out. However, this would be useful if using this TestCase on multiple browsers.

Hints

- » Recovery does not work in the Scratchbook.

Exercise 16b - CleanUp Scenarios

Objective

By the end of this exercise, you will be able to create and use CleanUp Scenarios.

Why is this important?

CleanUp Scenarios kick in when a TestCase and all Recovery Scenarios fail. It will reset your system under test to a clean state and then move on to execution of the next TestCase.

Key elements:



CleanUp
Scenario

Instructions

1. Create a **Recovery Scenario Collection** in the root TestCaseFolder. Within this Folder, add a **CleanUp Scenario**.
2. In the CleanUp Scenario:
 - Add the Reusable TestStepBlock **"Empty Shopping Cart"**.
 - After this, add the Module **Tricentis Standard Modules >> TBox Automation Tools >> Process Operations >> TBox Start Program**, rename it **"Close all Internet Explorer Instances"**.
3. Within this new TestStep, enter the correct Values into **"Path"** and **"Arguments"** as per the table below:

TestStep	TestStepValue	Value	ActionMode
Close all Internet Explorer instances	Path	taskkill	Input
	Arguments		Select
	Argument	/f	Input
	Argument	/im	Input
	Argument	iexplore.exe	Input

4. Navigate to **TestCase 2>>7b Reusable TestStepBlocks>>Payment Process**, and make sure that the Business Parameter **"Password"** from within the **"Precondition"** TestStep is empty.
5. In the ExecutionList, rerun the 2 ExecutionEntries **"Payment Process"** and **"Discount Code"**.
6. Check the executed CleanUp in the **ExecutionList** on **LogLevel**.
7. Once finished, re-enter the Business Parameter **"Password"** in the TestCase 2 **"Precondition"** TestStep.

Hints

- » Remember: CleanUp kicks in if no Recovery Scenario works.
- » .The Argument **"/f"** specifies that process(es) will be forcefully terminated.
- » The Argument **"/im"** specifies the image name of the process to be terminated.