

Exercise 24 – Create a Recovery Scenario

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.

Instructions

1. In the **TestCases** Section, navigate to **Additional Material>> Exercises>> Recovery Scenarios**.
2. Right-click on the TestCase "Log In & Log Out" and create a new "Recovery Scenario Collection".
3. Right-click on the Collection to add a "Recovery Scenario".
4. Inside the Recovery Scenario add the following Modules in this order:
 - "WebShop | Top Menu", rename to "Log Out"
 - "WebShop | Top Menu", rename to "Wait Until Logged Out"
 - "Close Browser", rename it "Close Web Shop"
5. Within the Recovery Scenario, enter the values in the TestSteps that will perform the actions, as per the table below:

TestStep	TestStepValue	Value	ActionMode
Log Out	Log out	X	Input
Wait Until Logged Out	Log in	Visible==True	WaitOn
Close Web Shop	Title	Demo*	Input

6. In the properties of the Recovery Scenario, make sure the RetryLevel is set to "TestCase".
7. Ensure that your Tosca recovery settings are correct:
 - **Settings>>TBox>>Recovery**. Select the "Recover" value for "On dialog failure", "On exception failure" and "On verification failure" options.
8. To see the recovery work, manually open 2 empty tabs on Google Chrome. In one of them navigate to the WebShop and log in with your credentials. Without logging out, close the Google Chrome tab, paying attention not to close the empty one.
9. With Google Chrome still open, navigate to the **Execution** Section of Tosca.
10. Navigate to **Execution>>ExecutionLists>>Additional Material>>Recovery Scenarios**.
11. Make sure you have entered your credentials in the Business Parameters, and then run the ExecutionList "Log In & Log Out".
12. The TestCase will start by opening a new Google Chrome Tab. It will then navigate to the WebShop page and attempt to log in. This will fail as the "Log In" button is missing. The Recovery Scenario will then kick in, it will log out from the account and close the Browser Tab. The TestCase will then restart its execution from a "clean slate" status of the SUT.
13. Change the TestCase WorkState to "Completed".
14. Save your work.

Hints

- » Recovery Scenarios do not work in the Scratchbook, they work at the TestCase Section, TestCase, TestStep, TeststepValue level or in a ReusableTestStepBlock.
- » Recovery Scenarios are always contained within a Recovery Scenario Collection.
- » Make sure your account is already logged in when a new tab is being opened in the WebShop.