

## Exercise 5a – Set Conditions

### Objective

By the end of this exercise, you will be able to set the Conditions needed to correctly steer the TestCases.

### Why is this important?

For the Template to work with all sets of data, we need to set Conditions so that TestSteps or TestStepValues run only when they are needed.

### Project perspective

You have adapted the Template to include a TestStep that verifies if the Login Process is completed. In case the Log in TestStep fails, executing the Log out TestStep would be impossible, and would result in the TestCase failing. For Tosca to know which TestStep or TestStepValue to steer in certain situations, we set Conditions.

### Key elements:



Condition  
Folder



Condition  
TestStep

### Instructions

1. In the TestCase section, duplicate the folder **"4b Adapt the Template"** and rename it to **"5a Set Conditions"**.
2. In the TestCaseDesign section, navigate to the **"Log in Data - Including Invalid users"** TestSheet in folder **"4a Set Conditions"** and find the Attribute **"Validation"**.
3. Navigate back to the **"Log In Process"** Template in folder **"5a Set Conditions"**. For the Workflow > **"Validate Log in Error Message"** TestStep, set the values of TestStepValues **"Wrong Email Error"** and **"Wrong Password"** to **"Innertext=="**.
4. Then, link the **"Validation"** Attribute from the TestSheet to the TestStepValues by dragging and dropping the Attribute onto the TestStepValues.

Validate Log In Error M...			
Wrong Email Error	Innertext == {XL[Validation]}	Verify	String
Wrong Password	Innertext == {XL[Validation]}	Verify	String

5. Drag and drop the Instances of the Attribute **"Validation"** onto the Conditions of the TestStep **"Validate Login Error Message"** and its TestStepValues. See the example below and adjust them where needed:

Validate Log In Error M...				Validation != "Success"
Wrong Email Error	Innertext == {XL[Validation]}	Verify	String	Validation == "Please enter a valid email address."
Wrong Password	Innertext == {XL[Validation]}	Verify	String	Validation == "Login was unsuccessful. Please correct the errors and try again."

6. Drag and drop the Instance **"Success"** in the **"Validation"** Attribute onto the Condition of the TestStep **"Log out"**.

TestStep Folder	TestStep	Condition
Postcondition		
	Log out	Validation == "Success"

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## Hints

- » To add Conditions to the TestSteps, make sure that the "Condition" column is visible. By default, this column is not visible. Remember to use the "Column Chooser" to add additional columns.
- » To check if an element of the Testcase has a Condition, check if its icon has changed.

## Exercise 5b – Instantiation

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### Objective

By the end of this exercise, you will be able to instantiate the amended Template with data from the new TestSheet to create new TestCase Instances.

### Why is this important?

The main purpose of creating a Template is to automatically generate all the required TestCases using the TestSheet. This is done through Instantiation.

### Project perspective

After adapting the Template as well as linking new values and setting Conditions, you need your TestCases to reflect those changes. Instantiating will help you accomplish this task.

### Instructions

1. Duplicate the folder "**5a Set Conditions**" and rename it "**5b Instantiation**".
2. Instantiate the Template by right clicking on the Template and choose "**Create TemplateInstance**". You can find this option by clicking the ellipsis in the mini-toolbar. Select "**Yes**" on the prompt asking whether you want to start the instantiation now.
3. Run the TestCases created in the **ScratchBook**.

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### Hints

- » As we are linking a new TestSheet, we will need to instantiate the TestCase again instead of Reinstantiating it.