Exercise 2a – Log In Process

Objective

By the end of this exercise, you will have created a TestCase that automates the process of a simple login.

Why is this important?

This TestCase will be converted into a Template, which will then provide the skeleton for that Template.

Project perspective

The DemoWebShop, like most other online web stores, requires the user to log in before they can purchase goods from the store. You need to create a TestCase that automates the login process in order to avoid doing it manually each time.

Instructions

1.	Navigate to the TestCases root folder and add the Test Configuration Parameters "**Email**" and "**Password**".
2.	Enter the first pair of Email and Password created in lesson 1 as values for the Test Configuration Parameters created above.
3.	Add the Test Configuration Parameter "**Browser**" with the value "**InternetExplorer**".
4.	Within the root folder "**TestCases**", create a new folder called **Template**. In there, create a subfolder called "**2a Log In Process**".
5.	In the subfolder "**2a Log In Process**", create a new TestCase called "**Log In Process**".
6.	Add the Reusable TestStepBlocks "**Precondition**" and "**Postcondition**" from the Library to the TestCase "**Log In Process**".

Hints

- » To recap the creation of Test Configuration Parameters, please see Lesson 2 of Automation Specialist Level 1.
- » TestSteps and Reusable TestStepBlocks can easily be searched and added to a TestCase by using the "Add TestStep" function (CTRL+T).

Exercise 2b - Resolve Reference

Objective

By the end of the exercise, you will be able to use the Resolve Reference command to break the connection between the Reusable TestStepBlock and the TestCase.

Why is this important?

Some elements of the Reusable TestStepBlocks will not be relevant for the TestCases that the Template generates. The Resolve Reference command allows you to use the structure of the ReusableTestStepBlocks and to amend the values without changing the Values in the Library.

Project perspective

If we want to use the Email and Password data from the TestSheet in the TestCase, we must be able to link them to the Email and Password TestStepValues. Right now, the Log in TestStep belongs to the Reusable TestStepBlock Precondition. You need to Resolve the Reference to edit the TestStep.

Key elements:

Reusable
TestStepBlock

Instructions

1. Duplicate the TestCase folder "**2a Log In Process**" and rename it to "**2b Resolve References**".

2. Right click on the Reusable TestStepBlock Reference "**Precondition_Reference**" and choose "Resolve Reference".

3. Create a new folder in the TestCase "**Log In Process**" and name it "**Workflow**". Place the folder in between **Precondition** and **Postcondition_Reference**.

4. Move the TestStep **Log In** from the **Precondition** folder to the **Workflow** folder.

5. Enter the following **Values** for the TestStepValues as per the table below:

	TestStep	TestStepValue	Value	ActionMode
Precondition	Open the Application	Url	http://demowebshop.tricentis.com	Input
Workflow	Log in	Email	{CP[Email]}	Input
		Password	{CP[Password]}	Input

6. Run the TestCase created in the **ScratchBook**.

7. Set the "**WorkState**" of the TestCase to **Completed**.

Hints

» Once a reference is resolved, it is not possible to revert the action. You can use the undo arrow on the top left of Tosca. However, this option is only available if you have not saved the project after resolving the references.

Exercise 2c - Convert to Template

Objective

By the end of the exercise, you will be able to create a Template from the TestCase Log In Process.

Why is this important?

The Template is one of the main points of focus for TestCaseDesign. Using a TestCase Template will allow you to create several new TestCases at once.

Project perspective

The login process of the DemoWebShop needs to be tested multiple times with many different accounts. It is time-consuming to duplicate one TestCase multiple times and then edit the values manually. It is also hard to maintain the TestCases when something is changed. Instead, you can create a Template from your Log in Process TestCase and link the data from the TestSheet to it.

Instructions

1. Duplicate the folder "**2b Resolve References**" and rename it to "**2c Convert to Template**".

2. Right click on the TestCase "**Log In Process**" and select "**Convert to Template**".