Tricentis

Automation Engineer Level 1

Objective

By the end of this exercise, you will be able to demonstrate how to enable and use Self-Healing properties in Tosca.

Why is this Important?

Self-healing mode helps you create robust TestCases, which ensure that TestCases run without error when the control under test changes. It reduces the manual effort required to rescan the controls.

Project Perspective

You may come across controls whose properties change frequently and you have to re-identify those controls to steer them, using Self-Healing properties you can heal such controls automatically when they are updated, and Tosca will execute the TestCases without any interruption.

Instructions

1. Open a web browser and navigate to http://demowebshop.tricentis.com

2. Navigate to **AE1 Exercises>>Modules>>Self Healing**

3. Start the XScan and scan the webpage DemoWebShop

4. Select the Logo image, Shopping cart button and the Search button. Save and close the XScan window.

5. Navigate to **AE1 Exercises>>TestCases>>Self Healing** and create a TestCase and name it as **Self Healing**

6. Add the Self Healing module to the Test Case **Self Healing**

7.   Input **Values** as shared in the table below:

TestStep Value	Value	ActionMode
Tricentis Demo Web Shop	.Exists=True	Verify
Shopping Cart	.Exists=True	Verify
Search	.Exists=True	Verify

8.   Run the TestCase in **Scratchbook** (It will be executed successfully)

9.   Close the DemoWebShop window and open https://new.demowebshop.tricentis.com/

10. In our TestCase navigate to the Test configuration tab and create a new Test Configuration Parameter named **SelfHealing**. In the Value field select the option **Weighted**

11. Create a second Test Configuration Parameter titled **SelfHealingWeightThreshold**. Assign this value as 0.75

12. Navigate back to the Modules tab and select the Module **Demo Web Shop**

13. Open the properties tab and rename the title from DemoWebShop to **Your store**

14. Run the TestCase in Scratchbook

Expected outcome

- The TestCase will be executed successfully since we have enabled the self-healing properties.
- Tosca automatically considered the similar controls with different properties and steered them.

Hints

1. Use Self-healing only when there are frequent changes in the properties used for identifying the controls.

2. Do not use self-healing on controls where you expect the technical properties to remain the same and want the test step to fail if a property has been updated.