

## Exercise 6a - Buffer

---

### Objective

By the end of this exercise, you will be able to set a Buffer to save information within Tosca.

### Why is this important?

The Buffer allows you to temporarily store information in Tosca, which can be used later on in the TestCase to verify values, identify Modules etc.

### Instructions

1. Duplicate TestCaseFolder **"5 Dynamic Values"** and name it **"6a Buffer"**.
2. Navigate to the TestStep **"Order Blue Jeans"** in the **"Order Product"** Folder.
3. Buffer the control **"Price"** and name the Buffer value **"PriceBlueJeans"**.

---

### Hints

- » The color of the ActionMode field changes depending on the ActionMode selected, giving a visual confirmation that the correct ActionMode has been selected.
- » Clear naming for a Buffer is important. When you use the Buffer value, you must duplicate the name exactly.

## Exercise 6b - Verify

---

### Objective

By the end of this exercise, you will be able to verify values generated in the SUT.

### Why is this important?

In automated testing, it is important to check that the correct values are generated. The main goal in this TestCase is to verify that the shipping costs according to your order are calculated accurately.

### Instructions

1. Duplicate TestCaseFolder **"6a Buffer"** and name it **"6b Verify"**.
2. Expand the TestStep **"Verification of Prices"** within the Folder **"Verification of prices"**.
3. Verify that the shipping cost (when **"Ground"** is selected as a delivery method) is **10.00**.
4. Run the TestCase in the **ScratchBook**.

---

### Hints

- » The shipping costs are in column 2 and the shipping costs cell will be in the drop down list called "Shipping:\*"

# TESTCASE ONE

## Exercise 6c - Verify Calculated Value

---

### Objective

By the end of this exercise, you will be able to verify a value in the SUT using a Buffer and verify the appearance of an object in response to an action in the SUT.

### Why is this important?

In order to verify the Sub-Total, the previously saved Buffer must be used along with calculations using an on screen message. These steps allow the TestCase to meet all the verification requirements.

### Instructions

1. Duplicate TestCaseFolder **"6b Verify"** and name it **"6c Verify Calculated Value"**.
2. Expand the TestStep **"Verification of Prices"** in the Folder **"Verification of Prices"**.
3. Verify the order **"Sub-Total"** using:
  - The Buffer **"PriceBlueJeans"**
  - The MATH function to multiply the Buffer by the quantity of blue jeans ordered (in this case **25**)
4. Buffer the Sub-Total using the Buffer name **"SubTotal"**.
5. Verify the order **"Total"** using the MATH function.  
This requires adding the **"SubTotal"** Buffer to the cost of the shipping (**10.00**)
6. Expand the TestStep **"Verify the Order Success"** in the **"Verification of Success"** Folder. Verify that the **"Message Order successful"** message is visible.
7. Run the TestCase in the **ScratchBook**.
8. Set the TestCase WorkState to **"COMPLETED"**.

---

### Hints

- » The shipping costs are in column 2 and the shipping costs cell will be in the drop down list called "Shipping:★"
- » Depending on the SUT, you may need to change the DataType to numeric.
- » Make sure to check and adjust your Tosca number formats in Settings>>TBox>>Number formats if the verification fails.
- » The Buffer name must exactly match the name used when it was created.