Grand Scenario

Grand Scenario: Order Your Own Computer

Objective:

To build your own data-driven test to automate the ordering process of a customized computer from the DemoWebShop.

Why this is Important?

This Grand Scenario will give you the opportunity to practice the concepts learnt during the training and to create a more complex Template. This environment and set of instructions mimic more closely the project environment and tasks distribution.

Business context:

Products have many different features, and it is important that customers are able to choose according to their preference. An example can be found in clothing, where you can choose the desired size, color, fabric etc. The same is true for technology items, like computers.
In our DemoWebShop, we will need to test if products can be configured according to their available features. Second, we want to test if they are priced correctly according to those selected features.
In this case, we will select different features of a customized computer, each with a defined price, order it and then verify that the price is calculated correctly. For this, we will need to build a Template using the data given in the Product Configuration TestSheet.

Available starter packages:

We will use the DemoWebShop to order a desktop computer.

There are 2 types of desktop computers available:

- **Cheap computer**: this is the standard choice. Base price is USD 800.00.
- **Expensive computer**: Base price is USD 1,800.00.

Each computer can be customized with various features and configurations.

Available configurations:

Processor

There are three types of processors available:

- **Medium speed** – this is the standard choice. Additional charge is USD 15.00.
- **Fast speed** – additional charge is USD 100.00.
- **Slow speed** – no additional charge.

RAM

There are three types of RAM sizes available:

- **2 GB** – no additional charge.
- **4 GB** – this is the standard choice. Additional charge is USD 20.00.
- **8 GB** – additional charge is USD 60.00.

Hard Disk Drive

There are two types of Hard Disk Drive sizes available:

- **320 GB** – this is the standard choice. No additional charge.
- **400 GB** – additional charge is USD 100.00.

Software

The standard choice of software is Office Suite. Additional software is also available:

- **An Image Viewer** – additional charge is USD 5.00.
- **An Office Suite** – additional charge is USD 100.00.
- **Another Office Suite** – additional charge is USD 40.00.

Multiple software can be combined, but only one Office Suite can be bought with the same system.

The orders will have to be payed via COD (Cash on Delivery).

Instructions

The Modules, Reusable TestStepBlocks and TestSheet are available in the base subset.

TestCase Overview:

The test automation should go through the usual process:

- · Open browser and navigate to the DemoWebShop
- · Log in
- · Navigate to Computers, select Computer Category, select Desktop
- · In the Desktop section, select either "Build your own cheap computer" or "Build your own expensive computer"
- · Depending on the TestSheet, customize the computer
- · Checkout procedure (add to cart, select payment method, pay)
- · Log out and close the browser

During the "**Checkout Process**", we will have also to verify:
1) if the Sub Total price matches the Product price on the TestSheet and
2) if the Total price calculated by Tosca matches the Total price provided by the SUT.

Finally, the automation process should confirm the order, verify it, log out of the account and close the browser.

In the case when both Office Suites are selected, the TestCase will skip the Check out process and log out immediately, .

The Modules:

All Modules can be found under: Web Shop>> Products >> **Products Category Computers** Module Folder.

Hints

- » You are free to choose the delivery method by yourself. Keep in mind that the appropriate additional fee will need to be added(if there are any) to the Total price calculation.

- » The structure of this TestCase is somewhat similar to the Discount Code TestCase. Remember to include the surcharge from the payment method (COD) when calculating the total price.

- » **Precondition Attributes**: The 2 Attributes you need to pay attention to for this Grand Scenario are:
  - · Precondition >> Customer >> Type of User >> Email
  - · Precondition >> Customer >> Type of User >> Password
- » These 2 Attributes use data from the Test Configuration Parameters **Email** and **Password**.

- » **Verification**: the Attribute Verification >> **Product Price** is the Sub-Total price of the product.