

## Exercise 02 – Navigate the System Under Test (SUT)

### Objective

By the end of this exercise, you will be able to identify the main steps of the order process within the sample Web Shop application. You will also be able to install the Browser Plugin to allow testing on your browser of choice.

### Why is this important?

The scenario for this training is that we are responsible for testing the Web Shop, our SUT. To understand how to test the SUT we must have a good understanding of how it works. Additionally, testing with browsers like Google Chrome, using Tricentis Tosca, is possible only after installing the Browser Plugin.

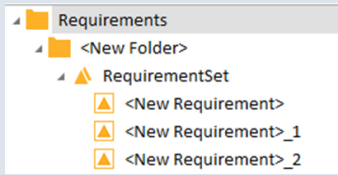
### Instructions

1. To install the Tricentis Browser Extension for Google Chrome navigate to - [https://support.tricentis.com/community/manuals\\_detail.do?url=engines\\_3.0/xbrowser/xbrowser\\_scan.htm#manual\\_chrome\\_extension](https://support.tricentis.com/community/manuals_detail.do?url=engines_3.0/xbrowser/xbrowser_scan.htm#manual_chrome_extension)
2. Select **Tosca 13.2 and upwards**. You will be redirected to the Chrome Webstore page. Click on **Add to Chrome**.
3. The extension will be added to your browser. A small Tricentis Icon should have now appeared on the top right corner of your Google Chrome browser.
4. Let's now setup the SUT. Open the Tricentis Demo Web Shop within Google Chrome <http://demowebshop.tricentis.com/>.  
Register in the Web Shop using the following information:  
  
**User data:**
  - Gender: < dummy gender >
  - First name: < dummy first name >
  - Last name: < dummy last name >
  - E-mail address: < dummy email address>
  - Password: Tosca1234!
  - Confirm password: Tosca1234!
5. **Example Email address:** DummyFirstname.DummyLastname@yourdomain.test  
Head to the **My Account** Section by clicking on your email address and add an address under the addresses tab.  
  
**User address:**
  - First name: < dummy first name >
  - Last name: < dummy last name >
  - E-mail address: Email address used above
  - Country: Austria
  - City: Vienna
  - Address 1: Vienna street
  - Zip: 1234
  - Phone: 00 11 22 33 44 55
6. Navigate through the Web Shop by purchasing some items. Please use the following credit card details.  
  
**Credit card details:**
  - Select Credit Card: Visa
  - Cardholder name: Barbara Gordon
  - Card number: 4485 5640 5948 9345
  - Expiration date Month: 04
  - Expiration date Year: 2024
  - Card code: 123
- 7.

### Hints

- » Making a rough flow chart of the steps taken through the SUT will help you to understand the structure of the TestCases to come.

## Cheat Sheet

Term	Description	Example
SUT	SUT stands for System Under Test. It is the object or target of a performance measurement test.	e.g., Web Shop
Tricentis Tosca	Tricentis Tosca is a software testing tool that is used to automate end-to-end testing for software applications. It enables you to build automated tests quickly and efficiently.	
Subset	A subset contains pre-prepared objects that help you to automate your tests and streamline your workflow. That means, a subset is a file containing Tosca artifacts that can be shared with other projects.	e.g., contains Modules, so that you don't need to create them yourself, but can work with existing ones.
Tosca Commander	In Tosca Commander TestCases are created, executed and organized. Tosca Commander is inspired by Microsoft Windows Explorer®, which means that all items are mapped in a tree structure.	
Workspace	In Tosca, a workspace represents a defined working area that is located either locally or on a network drive in relevance to the single user workspace.	
Module	Modules are the building blocks of a test. They contain the technical information that an automated TestCase needs to navigate and interact with your application. These models provide Lego-like “building blocks” that can be combined and reused to create your tests.	
Requirements	Requirements are the criteria which the system under test is expected to fulfill.	
Component folder	Component folders are additional organizational elements for your project. Within these folders, you can add additional Tosca sections, such as TestCases, Requirements, ExecutionLists, and so on, and create objects here.	e.g., Requirement Folder: below it is named <New Folder> and it contains a RequirementSet and Requirements. 
TestCase section	In the TestCase section, you will input the business information necessary to instruct Tosca to automate your system under test.  TestCases are a series of TestSteps that run from a defined starting point to a defined ending point. TestCases are structured with TestCase folders.	