Testing Plan – Submarino website

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1. Introduction

The objective of this test is to verify some functionalities of website Submarino. The project should focus on testing the Search Product Page and the Add Product to Cart Page. To achieve this, it was created some test scenarios that represents the different ways of doing the proposed tests. With the scenarios made, a system was developed to automate these tests.

2. Tools and resources used

Tool/resource	Description
Python 3.7.0	A programming language used to develop the test scripts
Pycharm 2019.3.3	A IDE used to develop the test scripts
Selenium WebDriver	A tool to automate tests on the web
Chrome Driver (Windows)	A driver to run tests on Chrome browser
Google Chrome browser	A browser where the tests are run
Microsoft Windows 7	Operacional System used

3. Scenarios

- **Product Search Test Suite**

In order to find a product that I want
As a customer
I want to search a product by name

Background:
      Given the website "https://www.submarino.com.br/" is open
          And I click on search bar

Scenario: Search product successfully	ID: TC-01
Action	**Expected Result**
Given nothing	
When I fill the search bar with "fifa 20"	
And I press the keyboard enter key	
	Then a Search Page is open
	And a list of products related to "fifa 20" is listed

Scenario: Search product with incomplete name	ID: TC-02
Action	**Expected Result**
Given nothing	
When I fill the search bar with "playstati"	
And I press the keyboard enter key	
	Then a Search Page is open
	And a message "Exibindo resultados para: playstation" is displayed
	And a list of products related to "playstation" is listed

Scenario: Search product with wrong name	ID: TC-03
Action	**Expected Result**
Given nothing	
When I fill the search bar with "praystation"	
And I press the keyboard enter key	
	Then a Search Page is open
	And a message "Exibindo resultados para: playstation" is displayed
	And a list of products related to "playstation" is listed

Scenario: Search product with no results found	ID: TC-04
Action	**Expected Result**
Given nothing	
When I fill the search bar with "otorinolaringologista"	
And I press the keyboard enter key	
	Then a Search Page is open
	And a message "Não encontramos nenhum resultado para "otorinolaringologista" em nossos mundos." is displayed

Scenario: Search suggested product	ID: TC-05
Action	**Expected Result**
Given nothing	
When I fill the search bar with "playsta"	
	Then a list of three products related to "playstation" is listed

Scenario: Search for a product that is no stock	ID: TC-06
Action	**Expected Result**
Given nothing	
When I fill the search bar with "álcool gel antisséptico"	
And I press the keyboard enter key	
	Then a Search Page is open
	And a list of products related to "álcool gel antisséptico" is listed
	And the "Álcool Gel Antisséptico 70º	60 gramas	Caixa com 30 unidades" product has the alert message "Ops! Já vendemos todo o estoque."

- **Add Product to Cart Test Suite**

  In order to manage my cart
  As a customer
  I want to be able to add products to my cart

  Background:
  　　　Given the website "https://www.submarino.com.br/" is open
  　　　　And I click on search bar

Scenario: Add product to cart successfully	ID: TC-07
Action	**Expected Result**
Given nothing	
When I fill the search bar with "fifa 20"	
And I press the keyboard enter key	
And a Search Page is open	
And I click on "Game Fifa 20 Standard Edition - PS4" product	
And a Details Product Page is open	
And I click on "Comprar" button	
	Then a Cart Page is open
	And the "Game Fifa 20 Standard Edition - PS4" product is in the cart

Scenario: Add product with details to cart	ID: TC-08
Action	**Expected Result**
Given nothing	
When I fill the search bar with "camisa hering"	
And I press the keyboard enter key	
And a Search Page is open	
And I click on "Camisa Hering Manga Longa Jeans Feminina" product	
And a Details Product Page is open	
And I click on "Comprar" button	
And a confirm message "O produto escolhido é Jeans - G" is open	
And I click on "Sim, pode continuar" button	
	Then a Cart Page is open
	And the "Camisa Hering Manga Longa Jeans Feminina" product with "Jeans - G" features is in the cart

Scenario: Add product to cart with extended warranty	ID: TC-09
Action	**Expected Result**
Given nothing	
When I fill the search bar with "Bicicleta Ergométrica Polimet"	
And I press the keyboard enter key	
And a Search Page is open	
And I click on "Bicicleta Ergométrica Polimet BP-880 - Preta com 6 funções" product	
And a Details Product Page is open	
And I click on "Comprar" button	
And a Extendend Warranty Page is open	
And I click on extended warranty option	
And I click on "Continuar" button	
	Then a Cart Page is open
	And the "Bicicleta Ergométrica Polimet BP-880 - Preta com 6 funções" product is in the cart

Scenario: Add product that is no stock	ID: TC-10
Action	**Expected Result**
Given nothing	
When I fill the search bar with "álcool gel antisséptico"	
And I press the keyboard enter key	
And a Search Page is open	

And I see the "Álcool Gel Antisséptico 70º | 60 gramas | Caixa com 30 unidades" product	
And the product has an alert "Ops! Já vendemos todo o estoque." in the description	
And I click on the product	
	Then "Gel Antisséptico" category Search Page is open

4. How to test?

- Before the test run, you have to change the directory of chromeDriver in SearchTest.py (lines 10 and 11) and CartTest.py (lines 11 and 12) to the directory of chromeDriver in your computer.

  Example: "C:\Users\Vagno\PycharmProjects\submarino-testing\web-automation-submarino\chromedriver.exe"

- Create virtual env
  - python -m virtualenv env
  - env\Scripts\activate

- How to execute?
  - pip install -r requirements.txt (linux) or "path\pip.exe" install -r requirements.txt (windows)
  - cd TestSuite
  - pytest --html=TestingSubmarinoReport.html TestSuite.py

- Python3 Version
  - Python 3.7.0

5. Observations

The Submarino is a famous website, and has a lot of products. Because of this, some products that were tested can be with no stock, making some tests going wrong. So, feel free to change any information of testing data file, located in the Data folder.