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**Selenium test automation challenge**

**Challenge done on C#:**

**How** to Test it via Visual Studio:

1 - Go the my public Hub were ( <https://github.com/bmachado90/MercedesAutomation> )

2- Click on Download and then Download Zip, a file called “MercedesAutomation-master.zip” is downloaded

3 – Extract the ZIP content to a folder (for example : C:\Users\USERNAME\Downloads\MercedesAutomation-master)

4-Install Visual Studio 2017

5-Open the Project(file name : **MercedesAutomation.sln** )

6-Check it the package are installed.

-Packages used : Microsoft.AspNet.WebApi.Client.5.2.6 and Newtonsoft.Json.6.0.4 , NUnit.3.10.1, NUnit3TestAdapter.3.10.0, Selenium.Support.3.13.0, Selenium.WebDriver.3.13.0, Selenium.WebDriver.ChromeDriver.2.40.0

7-On Visual Studio Click open the Test Explorer window (Click on Test🡪 Window🡪Test Explorer)

8-It should pop up a test explorer window.

9-Clean and Build the project (Click on Build🡪Clean Solution and then on Build 🡪Build Solution)

10-It should appear a Automated test on the TestExplorer window with 1 Test Cases( **MercedesAutomation**).

11-Right Click and click on Run Test.

12- The test should run successfully automatically.

How to Test it via NUNIT Console:

1 - Go the my public Hub were ( <https://github.com/bmachado90/MercedesAutomation> )

2- Click on Download and then Download Zip, a file called “MercedesAutomation-master.zip” is downloaded

3 – Extract the ZIP content to a folder (for example : C:\Users\USERNAME\Downloads\MercedesAutomation-master)

4- Install the MSI file (**NUnit.Console-3.10.0**)

5-After installation is over open a Command Line promp

6-Go to the NUnit.Console Folder (it should be something like this “**C:\Program Files (x86)\NUnit.org\nunit-console**”)

On the Command line write “cd C:\Program Files (x86)\NUnit.org\nunit-console”

7- Now Lets execute the Nunit to run the Test with the following command:

“ **nunit3-console C:\<PATH TO WERE THE PROJECT WAS EXTRACTED TO>\MercedesAutomation\MercedesAutomation\bin\Debug\MercedesAutomation.dll** “

The NUNIT will run the project and the Test Automatically and in the Ed in the console you´ll see the results

**Approach’s:**

In this exercise as you see in the code (class MercedesAtuomation.cs) i´ve create a new ChormeDriver and maximize the Window.

After that I’ve navigated to the exercise URL and waited for the page to be open.

I´ve notice that a small Cookies information “pop up” is displayed on the page , so the first step is to accept the cookies and close de pop up.

After that I’ve notice a small mini car displayed to be bought on the home page so I’ll click on them.

Afterwards the page is redirected to the Mini Car page details , I’ve done some validations on this page (URL , Mini Car name , etc…) and them click on Add to Basket.

A new pop up windows show and displays all the information regarding the purchase i´m about to do.

I´ve click on Go to Shopping basket.

In this new page I´ve checked that the car model is present , also the URL has changed , and also if the “continue to address “ button is displayed”

Also validate that the 3 layers are displayed (1) Shopping basket, 2 ) [Address and delivery](https://shop.mercedes-benz.com/en-gb/collection/tunnel), 3) Verification and order placement).

Finally, click on continue to address button.

In this new Page it´s displayed 3 new options (Log in , Register , Continue as Guest) , I´ve checked that the button Continue is Disable until we put some Email on the Guest Email Field.

I´ve Filled the Email in the Text Box and the button became Enable.

I´ve clicked on the button.

A new page is displayed with a form to Fill all my personal information , I’ve filled with some Random values. In the end press “continue to payment”

In this page if Checked that there is a payment option “paypal” an if the URL was changed to the new page.

Click on paypal option and click on “continue”

In the final page Verification and Order, I’ve checked all the details inserted before to check if the data is correct.

In The final step of the tests the driver closes the window.