This document is a report on the work done by me for **Task 2** of the **Mercedes Benz IO challenge**.

**Candidate name**: Luís Oliveira

This document has the following chapters

1. Technologies and dependencies

2. How to run the tests

4. Annex - list of files

**Candidate LinkedIn profile**: [https://www.linkedin.com/in/lu%C3%ADs-oliveira-25068a7/](https://www.linkedin.com/in/luís-oliveira-25068a7/)

**Candidate email**: luisfpoliveira@gmail.com

**Candidate phone number**: + 351 91 491 11 75

## 1. Technologies and dependencies

Task 2 of the **Mercedes Benz IO challenge** was implemented using:

1. Python 3.6.5

2. Selenium webdriver for python version 3.141.0

The Selenium webdriver installation instructions can be found under:

<https://selenium-python.readthedocs.io/installation.html>

The tests were run on Windows 8.1.

# 2. How to run the tests

Make sure Python and Selenium are installed on your machine.

On windows shell run "python two\_impulse\_desafio.py".

Each time you run the code an HTML report will be saved on the Output directory.

# 4. Annex - list of files

The test script used to implement the challenge can be found on the following file: **two\_impulse\_desafio.py**

The Python modules developed for this task can be found under on the **"Utils" directory**.

The list of developed modules is as follows:

1. **Generic\_Web\_Testing\_Methods.py** contains a set of methods developed using Seleniun that can:

i. Click on web elements

ii. Fill in web forms

iii. Read the text from web elements

Those methods address the web elements using a xpath-

The methods are applicable on any HTML web site.

1. **Generic\_reporting.py** contains the methods used to write the web report.

The HTML test reports are stored in the **Output** directory.