

Candidate Test

## QA & Automation Developer Home Assignment

Jan 2022

## Overview

Please note that your answers will be reviewed on the followup interview, so please answer all questions to the best of your ability.

Any clarifications can be supplied by the interviewer – **don't hesitate to ask or consult.**

**Please open free github repository to store your answers and code, this is where you will submit the code to us**

## 1. QA Planning Exercise

This is a planning exercise – you need to specify test cases and what these cases test in reality.

Assume we are developing a code for "replace a string" software utility, activation is from the command line and it is activated as such that **all** occurrences of **string2** within **string1** will be replaced with **string3**:

```
./replace.py "string1" "string2" "string3"
```

for example:

```
./replace.py "dkmjeircuj874357mfdujm3eu934jjjj2398" "jjjj" "1984"
```

will result in the following output:

```
dkmjeircuj874357mfdujm3eu93419842398
```

Please specify in the table as much test cases you think that will cover all test scenarios for this code and explain what each test case cover (feel free to add more row)

<u>TestCase Description</u>	<u>String 1</u>	<u>String 2</u>	<u>String 3</u>	<u>Expected Output</u>

Please save your document on the github repository and name it Q1

## 2. Web Automation Exercise

In this exercise you are required to write automation code for testing 3 different scenarios of wallashops web site <https://www.wallashops.co.il/>

1. Please specify the different scenarios you are going to test, for each scenario please write the scenario details and expected behavior.
2. Please implement automation code to test the scenarios you described above, please specify which tools are used to perform the tests

## 3 API Automation Exercise

In this exercise you are required to write automation code for testing the public API IPINFO <https://ipinfo.io/161.185.160.93/geo> - please implement at least 3 different scenarios for testing

1. Please specify the different scenarios you are going to test, for each scenario please write the scenario details and expected behavior.
2. Please implement automation code to test the scenarios you described above, please specify which tools are used to perform the tests

## Good Luck!

Upon completion please send us an email with the repository details in which we can check the code and planning exercise document: **meiravj@avanan.com**

For any questions you can contact:

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