Test Plan

Project Name: Challenging DOM

1. Overview:

For Expleo Group Technical assessment, the following website is tested <https://the-internet.herokuapp.com/challenging_dom>.

This document serves as a test planning document with details on the scope of the project, test strategy, test schedule, resource requirements and test deliverables.

1. Test Scope:

The scope of the project is to test the following webpage.

<https://the-internet.herokuapp.com/challenging_dom>.

## 2.1 Test Coverage

1. Page Title
2. Page header
3. Button Actions

| 1. Validate Blue Button | Testing its id after click  Testing the text after click |
| --- | --- |
| 1. Validate Red Button | Testing its id after click  Testing the text after click |
| 1. Validate Green Button | Testing its id after click  Testing the text after click |

4)Table Contents:

a)Validate table headers

b)Validate Table row

c)Validate Table Column

5) Canvas Element

a)Validate “Answer” value after browser refresh

b)Validate “Answer” value after button click

# 3.Test Environments

Entire actions mentioned in the ‘Test Coverage’ section within the scope section will be tested manually and automated using the tools –

1. Windows 10
2. Eclipse
3. Java JDK
4. Browser and chrome driver executable file

# 4. Test Approach

Archana Mohan will create Automation test cases for the webpage <https://the-internet.herokuapp.com/challenging_dom> and Test execution will be done by following approach.

1. Identify the buttons, table elements, image and the hyperlinks that exists within the identified Challenging DOM webpage of The Internet application and create automated test cases accordingly.
2. Establishing TestNG framework using Page Object Model concept, Selenium with Java

I’ll consider below listed testing type while testing the functionalities and report any bugs found –

1. **Automation Functional testing** – Testing the webpage (mentioned in the scope of project) to make sure that each buttons and hyperlink does what it is supposed to do and doesn’t do what it is not supposed to do.
2. **UI Testing –** Testing the graphical user interface of the application on the environment mentioned under Scope and Test Environment section.

# 5. Problem Reporting and Test Tracking Procedures

**Bug Reporting Procedure:**

1. During testing any deviation from expected behavior by the application will be noted and reported as a Bug. If it can’t be reported as a Bug, it’d be posed as a question.
2. Any bugs related to the graphical user interface of the application will be reported.After discovery of a Bug, it will be re-tested to verify reproducibility of the Bug.
3. Bugs will be documented in word or bug reporting tool used by Expleo Group.

# 6. Roles/Responsibilities

| **Name** | **Role** | **Responsibilities** |
| --- | --- | --- |
| **Christopher Marron** | **Interviewer** | * Review the test cases. * Review the documentation. |
| **Archana Mohan** | **Candidate** | * Create the Test plan. * Create automated test cases & execute them on the web application. * Test the functionalities of application within scope. |

# 7. Test Schedule

Test schedule planned for the project

| **Task** | **Time Duration** |
| --- | --- |
| Test plan creation | 21st May 2023 |
| Automation Test scripts creation | 21st May 2023 |
| Test execution and Bug reporting | 22 nd May 2023 |
| Summary reports submission | 25th May 2023 |
| Final review | 25th May 2023 |

# 8. Test Deliverables

The following will be delivered to Expleo Group during the project -

| **Deliverables** | **Description** | **Responsible**  **Owner** | **Target Completion**  **Date** |
| --- | --- | --- | --- |
| Test Plan | Details on the scope of the project, Test strategy, Test schedule, Resource requirements and Test deliverables | Archana Mohan | 22nd May 2023 |
| Automated Test Cases | Automation test suite created for the Web page. | Archana Mohan | 25th May 2023 |