**Test Plan**

**Challenging DOM web page**

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1. Introduction

1.1 Scope

1.1.1 in Scope

1.1.2 Out of Scope

1.2 Quality Objective

1.3 Roles & Responsibility

2. Test Methodology

2.1 Overview

2.2 Bug Triage

2.3 Test Completeness

3. Test Deliverables

4. Resource & Environment Needs

4.1 Testing Tools

4.2 Test Environment

[***1. Introduction***](#_top)

Testing a web application <https://the-internet.herokuapp.com/challenging_dom> using Automation Testing. The mentioned web-application has no helpful locators to help one find a best locator, so the challenge is to find the best locator for various web elements which are unique and unlikely to change.

[**1.1 Scope**](#_top)

[**1.1.1 in Scope**](#_top)

Scope defines the feature and requirement under test. The scope of current web application testing is <https://the-internet.herokuapp.com/challenging_dom> and nothing out of it.

Maximum 10 automation scripts should be present to validate the completion of automation testing task which includes both functional and non-functional requirements.

Only open source software’s to be used for this automation testing.

Only Chrome browser to be used.

[**1.1.2 Out of Scope**](#_top)

No manual testing has to be carried out on the said web application.

No paid software to be used for this automation testing.

[**1.2 Quality Objective**](#_top)

1. The web-application under test conforms to the functional and non-functional requirements.

2. Meets the requirements set by client.

3. Bugs if any found would be resolved before going LIVE.

[**1.3 Roles & Responsibility**](#_top)

1. QA Analyst- One who will test the create automation script, execute and the test the application.

2. Test Manager- One who will lead and mange the team and resolve the project related issues if any and will update and provide project progress to client on timely basis.

[**2. Test Methodology**](#_top)

[**2.1 Overview**](#_top)

The test methodology adopted for the successful execution of this project is Agile. So in case any change in the project is seen it can be easily incorporated and can help to provide a fool-proof fast paced delivery.

[**2.2 Bug Triage**](#_top)

The goal is distinguish between the bugs on the basis of its type, prioritize the bugs and get it to ‘Fixed’ status.

[**2.3 Test Completeness**](#_top)

Below criteria should be considered to mark the test completeness:

1. 100% test coverage
2. All automation test-cases executed
3. All bugs are in ‘Fixed’ state.

[**3. Test Deliverables**](#_top)

Below are the Test deliverables for this project:

Test Plan

Test Cases- Automation scripts

[**4. Resource & Environment Needs**](#_top)

[**4.1 Testing Tools**](#_top)

Automation Tools: JDK 12, Selenium 4.4.0, Apache Maven 3.8.6 , Chrome browser

[**4.2 Test Environment**](#_top)

Windows 7 and above