**Test Result Report Template**

Calculator Web App

Prepared by:

Dhiraj K. Shelke COBB071

Pranav N. Gavali COBB046

Komal P. Naphade COBB018

15/12/21

TABLE OF CONTENTS

1.0 Introduction

2.0 Testing Strategy

2.1 Alpha Testing (Unit Testing)

2.2 Integration Testing

2.3 User Acceptance Testing

2.4 Regression Testing

2.5 Beta Testing

2.6 Compatibility Testing

3.0 Resources/Roles & Responsibilities

4.0 Tools

5.0 Approvals

**1.0 INTRODUCTION**

We created a small Web based calculator application by selecting Eclipse IDE as our environment and Java as our programming language. We tested the application with the help of Selenium Web driver and Chrome webdriver extension.

**2.0 TESTING STRATEGY**

In this project we tested all possible combinations for the calculator like addition of two digits, three digits, subtraction of positive integers, and subtraction of negative numbers, addition of one positive and one negative number, positive multiplication, negative multiplication. This is performed along with opening of chrome browser as well as closing of chrome browser. All these tasks is performed with help of Selenium webdriver and installing additional TestNG Library.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Approach** | **Type of Testing** | **Manual Testing** | **Automated Testing on Device** | **Tools/APIs/Libraries** |
| **Using Environment** |
| Standard Testing  (Functional Testing) | Unit Testing | Yes | Yes | 1. Junit   (unit testing framework)   1. Selenium WebDriver/IDE   (web application automation testing framework)   1. TestNG Library |
| Integration Testing | Yes | Yes |
| Regression Testing | No | No |
| Compatibility Testing | No | No |

**2.1 Unit Testing Report**

|  |  |
| --- | --- |
| **EXECUTION STATUS** | **COMPLETED** |
| **PASSED TESTCASES** | 8 |
| **FAILED TESTCASES** | 0 |
| **PENDING TESTCASES** | 00 |
| **TEST CASES PLANNED** | 8 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **MODULES/**  **SCENARIOS** | **DESCRIPTION** | **% TCs EXECUTED** | **% TCs PASSED** | **TCs PENDING** | **PRIORITY** | **REMARKS** |
| **SET UP BROWSER** | Opening of Chrome Browser | 100 | 100 | 00 | HIGH | - |
| **TWO DIGIT ADDITION** | Addition performed of three integers | 100 | 100 | 00 | HIGH | - |
| **THREE DIGIT ADDITION** | Addition performed of three integers | 100 | 100 | 00 | MODERARTE | - |
| **SUBTRACTION OF POSITIVE INTEGERS** | Subtraction performed of two positive numbers | 100 | 100 | 00 | HIGH | - |
| **SUBTRACTION OF NEGATIVE INTEGERS** | Subtraction performed of two negative numbers | 100 | 100 | 00 | HIGH | - |
| **POSITIVE NEGATIVE ADDITION** | Addition performed of One positive and one negative number | 100 | 100 | 00 | MODERARTE | - |
| **POSITIVE MULTIPLICATION** | Multiplication Performed of positive integers | 100 | 100 | 00 | MODERATE | - |
| **NEGATIVE MULTIPLICATION** | Multiplication Performed of negative integers | 100 | 100 | 00 | MODERATE | - |

**2.2 Integration Testing**

|  |  |
| --- | --- |
| **EXECUTION STATUS** | **COMPLETED** |
| **PASSED TESTCASES** | 01 |
| **FAILED TESTCASES** | 00 |
| **PENDING TESTCASES** | 00 |
| **TEST CASES PLANNED** | 01 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **MODULES/**  **SCENARIOS** | **DESCRIPTION** | **% TCs EXECUTED** | **% TCs PASSED** | **TCs PENDING** | **PRIORITY** | **REMARKS** |
| **RUN BrowserLaunch\_TestNG**  **AND CHECK IF CALCULATOR OPENS** | Verifying the Calculator Opens up | 01 | 01 | 00 | HIGH | Completed |

**2.3 User Acceptance Testing**

|  |  |
| --- | --- |
| **EXECUTION STATUS** | **COMPLETED** |
| **PASSED TESTCASES** | 02 |
| **FAILED TESTCASES** | 00 |
| **PENDING TESTCASES** | 00 |
| **TEST CASES PLANNED** | 02 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **MODULES/**  **SCENARIOS** | **DESCRIPTION** | **% TCs EXECUTED** | **% TCs PASSED** | **TCs PENDING** | **PRIORITY** | **REMARKS** |
| **OPEN CALCULATOR** | User Tries to open the application | 100 | 100 | 00 | HIGH | - |
| **PERFORMS CALCULATION** | User performs calculation | 100 | 100 | 00 | HIGH | IN-PROGRESS |

**2.4 Regression Testing**

|  |  |
| --- | --- |
| **EXECUTION STATUS** | **COMPLETED** |
| **PASSED TESTCASES** | 01 |
| **FAILED TESTCASES** | 00 |
| **PENDING TESTCASES** | 00 |
| **TEST CASES PLANNED** | 01 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **MODULES/**  **SCENARIOS** | **DESCRIPTION** | **% TCs EXECUTED** | **% TCs PASSED** | **TCs PENDING** | **PRIORITY** | **REMARKS** |
| **VERIFY THE CHANGES IN PositiveMultiplication() METHOD** | Verify The Changes in PositiveMultiplication() Method by changing inputs | 100 | 100 | 00 | HIGH | - |

**2.5 Beta Testing**

|  |  |
| --- | --- |
| **EXECUTION STATUS** | **COMPLETED** |
| **PASSED TESTCASES** | 02 |
| **FAILED TESTCASES** | 00 |
| **PENDING TESTCASES** | 00 |
| **TEST CASES PLANNED** | 02 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **MODULES/**  **SCENARIOS** | **DESCRIPTION** | **% TCs EXECUTED** | **% TCs PASSED** | **TCs PENDING** | **PRIORITY** | **REMARKS** |
| **OPENING APPLICATION** | User Tries to open the application | 100 | 100 | 00 | HIGH | - |
| **PERFORM CALCULATIONS** | User performs calculation | 100 | 100 | 00 | HIGH | - |

**2.6 Compatibility Testing:**

|  |  |
| --- | --- |
| **EXECUTION STATUS** | **COMPLETED** |
| **PASSED TESTCASES** | 02 |
| **FAILED TESTCASES** | 00 |
| **PENDING TESTCASES** | 00 |
| **TEST CASES PLANNED** | 02 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **MODULES/**  **SCENARIOS** | **DESCRIPTION** | **% TCs EXECUTED** | **% TCs PASSED** | **TCs PENDING** | **PRIORITY** | **REMARKS** |
| **RUN IN LOW SPECS** | Run on windows OS,2gb ram | 100 | 100 | 00 | HIGH | - |
| **RUN IN HIGH SPECS** | Run on Windows OS,4gb ram | 100 | 80 | 00 | HIGH | - |

**3.0 RESOURCES/ROLES & RESPONSIBILITIES**

Required Resources: Eclipse IDE

Responsibility: Create Test for each Operation

**4.0 TOOLS**

1. Selenium Webdriver

2. Selenium Standalone Server

**5.0 APPROVALS**

Name Signature Date

1.

2.

3.