**Test Plan for Login System**

**Introduction**

This test plan describes the testing process for login system. This console application is designed to ensure that appropriate information regarding the username and password is displayed and tests for inappropriate information from user.

**Test Items**

Login system app v0.Ia (Alpha release)

The application consists of one file, Rajveer Assignment.sln which is required for the application to execute.

**Test Environment**

The application is designed to run in Visual Studio 2017 on Windows 10.

**Scenario**

Scenario 1 –

Test what happens if the user inputs the username of incorrect length.

Scenario 2 –

Test what happens if the username is of correct length.

Scenario 3 –

Test what happens if the length of password1 is not valid.

Scenario 4 –

Test what happens when the password 1 does not match password 2

**Testing Method**

The testing for this project will involve two main types of testing:

* Black box Testing – Check the inputs and outputs are appropriate
* White box Testing – Inspection of the code

Both testing methods will require user input from the tester and will then evaluate the resulting conditions.

**Pass / Fail Criteria**

Scenario I (Incorrect length of username)

|  |  |  |
| --- | --- | --- |
| **Inputs** | | **Outputs** |
| Expected | rajveer | Invalid username! |
| Actual | rajveer | Invalid username! |
| Expected | raj | Invalid username! |
| Actual | raj | Invalid username! |

Scenario 2 (Correct length of username)

|  |  |  |
| --- | --- | --- |
| **Inputs** | | **Outputs** |
| Expected | rajveerk | A valid username! |
| Actual | rajveerk | A valid username! |
| Expected | 30013158@R | A valid username! |
| Actual | 30013158@R | A valid username! |

Scenario 3 (Incorrect length of password 1)

|  |  |  |
| --- | --- | --- |
| **Inputs** | | **Outputs** |
| Expected | Raj2345 | Oops! Your password must include at least 8 characters |
| Actual | Raj2345 | Oops! Your password must include at least 8 characters |
| Expected | 4424 | Oops! Your password must include at least 8 characters |
| Actual | 4424 | Oops! Your password must include at least 8 characters |

Scenario 4 (passwords do not match)

|  |  |  |  |
| --- | --- | --- | --- |
| **Inputs** | | | **Outputs** |
|  | **Password 1** | **Password 2** |  |
| Expected | rajveerkaur1 | rajvirkaur | Error! Your passwords don’t match |
| Actual | rajveerkaur1 | rajvirkaur | Error! Your passwords don’t match |
| Expected | Raj789900 | Raj789909 | Error! Your passwords don’t match |
| Actual | Raj789900 | Raj789909 | Error! Your passwords don’t match |

**Modification Notes**

No modifications were required in any of the scenario. The program ran smoothly.