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**TEST PLAN FOR SIGN-IN SYSTEM:**

**ABOUT:**

This test plan illustrates the testing process for the sign-in system. The test-plan is created for ensuring the data about username and password is showed along with its tests for improper details from the user.

**TEST OBJECT:**

Login console terminal application coded in C sharp language.

q1-login folder with Q1 login.sln>Program.cs file.

Q2 login is a whole project file which contains program.cs file needed to execute application.

**TEST ENVIRONMENT:**

This application is run only into Visual Studio 2017 on the Windows 10.

**SCENARIO:**

1 Scenario –

Test: what happens when the input of user the length of username of not correct?

2 Scenarios –

Test: user inputs the password with correct length?

3 Scenarios –

Test: what happens if the password1’s length is invalid?

4 Scenario–Test: what happens when the password 1 and password 2 mismatch?

**TESTING METHOD:**

There are two types of testing in this project.

1.White box Testing for Inspection of the code

2. Black box testing for checking the inputs and outputs which are appropriate

These testing methods will essential user input from the tester and then evaluating the resulting conditions.

**CRETERIA OF PASS AND FAIL:**

1 Scenario (When length of username is wrong)

|  |  |  |
| --- | --- | --- |
| **CASE: Inputs** | | **Outputs** |
| Supposed | Amritpal | Username is invalid! |
| True | Amritpal | Username is invalid! |
| Supposed | Amrit | Username is invalid! |
| True | Amrit | Username is invalid! |

2 Scenario (When length of username is correct)

|  |  |  |
| --- | --- | --- |
| **Inputs** | | **Outputs** |
| Supposed | AmritpalD | Username is valid! |
| True | AmritpalD | Username is valid! |
| Supposed | 30017389@A | Username is valid! |
| True | 30017389@A | Username is valid! |

3 Scenario (length of password 1 is incorrect)

|  |  |  |
| --- | --- | --- |
| **Inputs** | | **Outputs** |
| Supposed | Amritpal781 | Password is confirmed. |
| True | Amrit78 | password must be of 8 characters long. Try again. |
| Supposed | Amritpal 781 | Password is confirmed. |
| True | Amrit78 | password must be of 8 characters. Try again. |

4 Scenario (when passwords mismatch)

|  |  |  |  |
| --- | --- | --- | --- |
| **Inputs** | | | **Outputs** |
|  | **Password 1** | **Password 2** |  |
| Supposed | amritpaldhami5 | amritpaldhami | showing error because password mismatch |
| True | amritpaldhami5 | amritpaldhami | Showing error passwords mismatch |
| Supposed | Amrit785960 | Amrit785960 | Showing error passwords mismatch |
| True | Amrit785960 | Amrit785960 | Showing error passwords mismatch |

**MODIFICATIONS NOTE:**

Program ran easily because there was no any type of modifications in four scenarios.