**Robustness:**

An implementation’s robustness is the extent to which it handles anomalous input (i.e. input whose form or content is unexpected).

|  |  |
| --- | --- |
| **Condition** | **Description** |
| Exception Handling | Exception Handling (Try Catch) must be implemented in the code fragments that are prone to exception. |
| Max Length | Input validation to ensure that the length of input field matches the length in the database. |
| Error Page | In case of error, a dedicated error page must be displayed o the user. |
| Unit Testing | During unit testing, the application must be tested for extreme values. |

**Rating:**

|  |  |
| --- | --- |
| 0 | Not Implemented |
| 5 | Moderately Implemented |
| 10 | Completely Implemented |

**Formula:**

**(Σ Reviewer Score) + (Σ Supervisor Score)**

**(2\*Number of Pages/Screens \* Number of Conditions)**

**Expected Value: 8.5/10**

**Iteration 1:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No** | **Page/ Screen Name** | **Conditions** | **Reviewer Score** | **Supervisor Score** |
| 1 | Login Page | Exception Handling | 10 | 10 |
| Max Length | 10 | 10 |
| Error Page | 10 | 10 |
| Unit Testing | 5 | 5 |
|  |  |  |  |  |
| 2 | Create New User Page | Exception Handling | 10 | 5 |
| Max Length | 5 | 5 |
| Error Page | 10 | 10 |
| Unit Testing | 10 | 10 |
|  |  |  |  |  |
| Total | | | 70 | 65 |
| Robustness Score | | | 8.4 | |

**Iteration 2:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No** | **Page/ Screen Name** | **Conditions** | **Reviewer Score** | **Supervisor Score** |
| 1 | Home Page | Exception Handling | 10 | 10 |
| Max Length | 5 | 5 |
| Error Page | 10 | 10 |
| Unit Testing | 5 | 5 |
|  |  |  |  |  |
| 2 | Change Password Page | Exception Handling | 10 | 10 |
| Max Length | 5 | 5 |
| Error Page | 10 | 10 |
| Unit Testing | 5 | 5 |
|  |  |  |  |  |
| 3 | Forgot Password Page | Exception Handling | 10 | 10 |
|  |  | Max Length | 5 | 5 |
|  |  | Error Page | 10 | 10 |
|  |  | Unit Testing | 10 | 10 |
|  |  |  |  |  |
| Total | | | 95 | 95 |
| Robustness Score | | | 7.7 | |

**Iteration 3:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No** | **Page/ Screen Name** | **Conditions** | **Reviewer Score** | **Supervisor Score** |
| 1 | Friends Page | Exception Handling | 10 | 10 |
| Max Length | 10 | 5 |
| Error Page | 10 | 10 |
| Unit Testing | 5 | 5 |
|  |  |  |  |  |
| 2 | Index Page | Exception Handling | 10 | 10 |
| Max Length | 10 | 10 |
| Error Page | 10 | 10 |
| Unit Testing | 10 | 10 |
|  |  |  |  |  |
| Total | | | 75 | 70 |
| Robustness Score | | | 9.06 | |