**Security:**

It indicates the degree to which security goals are being met and drive actions taken to improve a system’s overall security program.

**Reference:**

<https://wiki.internet2.edu/confluence/display/2014infosecurityguide/Effective+Security+Metrics>

|  |  |
| --- | --- |
| **Condition** | **Description** |
| Hiding Password | Password text must be displayed in the form of special characters. |
| Password Hashing | Passwords must be hashed before storing them in the database. |
| Only Signed-In User Can Tweet | Before accessing Friends Page and Home Page, the user has to be Logged-In to the system. |
| Hiding Exception Details | Whenever an exception occurs in an application, its details should not be visible to the user. |

**Rating:**

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

**Note: For NA, the rating is considered as 10**

**Formula:**

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

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

**Expected Value: 8/10**

**Iteration 1:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No** | **Page/ Screen Name** | **Condition** | **Reviewer Score** | **Supervisor Score** |
| 1 | Login Page | Hiding Password | 10 | 10 |
| Password Hashing | 10 | 10 |
| Only Signed-In User Can Tweet | NA | NA |
| Hiding Exception Details | 0 | 0 |
|  |  |  |  |  |
| 2 | Create New User Page | Hiding Password | 10 | 10 |
| Password Hashing | 10 | 10 |
| Only Signed-In User Can Tweet | NA | NA |
| Hiding Exception Details | 0 | 0 |
|  |  |  |  |  |
| Total | | | 60 | 60 |
| Security Score | | | 7.5 | |

**Iteration 2:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No** | **Page/ Screen Name** | **Condition** | **Reviewer Score** | **Supervisor Score** |
| 1 | Home Page | Hiding Password | NA | NA |
| Password Hashing | NA | NA |
| Only Signed-In User Can Tweet | 10 | 10 |
| Hiding Exception Details | 0 | 0 |
|  |  |  |  |  |
| 2 | Change Password Page | Hiding Password | 10 | 10 |
| Password Hashing | 10 | 10 |
| Only Signed-In User Can Tweet | NA | NA |
| Hiding Exception Details | 0 | 0 |
|  |  |  |  |  |
| 3 | Forgot Password Page | Hiding Password | NA | NA |
|  |  | Password Hashing | NA | NA |
|  |  | Only Signed-In User Can Tweet | NA | NA |
|  |  | Hiding Exception Details | 0 | 0 |
|  |  |  |  |  |
| Total | | | 90 | 90 |
| Security Score | | | 7.5 | |

**Iteration 3:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No** | **Page/ Screen Name** | **Condition** | **Reviewer Score** | **Supervisor Score** |
| 1 | Friends Page | Hiding Password | NA | NA |
| Password Hashing | NA | NA |
| Only Signed-In User Can Tweet | 10 | 10 |
| Hiding Exception Details | 0 | 0 |
|  |  |  |  |  |
| 2 | Index Page | Hiding Password | NA | NA |
| Password Hashing | NA | NA |
| Only Signed-In User Can Tweet | NA | NA |
| Hiding Exception Details | 0 | 0 |
|  |  |  |  |  |
| Total | | | 60 | 60 |
| Security Score | | | 7.5 | |