**CAPSTONE PROJECT IITR (21 JULY) {TEST CASES}**

**Test Cases – Login Page**

#### Functional Test Cases:

#### Functional Test Cases Type- Negative/ Positive Test Case

|  |  |  |
| --- | --- | --- |
| 1 | Verify if a user will be able to login with a valid username and valid password. | Positive |
| 2 | Verify if a user cannot login with a valid username and an invalid password. | Negative |
| 3 | Verify the login page for both, when the field is blank and Submit button is clicked. | Negative |
| 4 | Verify the ‘Forgot Password’ functionality. | Positive |
| 5 | Verify the messages for invalid login. | Positive |
| 6 | Verify the ‘Remember Me’ functionality. | Positive |
| 7 | Verify if the data in password field is either visible as asterisk or bullet signs. | Positive |
| 8 | Verify if a user is able to login with a new password only after he/she has changed the password. | Positive |
| 9 | Verify if the login page allows to log in simultaneously with different credentials in a different browser. | Positive |
| 10 | Verify if the ‘Enter’ key of the keyboard is working correctly on the login page. | Positive |
|  | Other Test Cases | |
| 11 | Verify the time taken to log in with a valid username and password. | Performance & Positive Testing |
| 12 | Verify if the font, text color, and color coding of the Login page is as per the standard. | UI Testing & Positive Testing |
| 13 | Verify if there is a ‘Cancel’ button available to erase the entered text. | Usability Testing |
| 14 | Verify the login page and all its controls in different browsers | Browser Compatibility & Positive Testing. |

#### Non-functional Security Test Cases:

Security test cases Negative/positive test

case

|  |  |  |
| --- | --- | --- |
| 1 | Verify if a user cannot enter the characters more than the specified range in each field (Username and Password). | Negative |
| 2 | Verify if a user cannot enter the characters more than the specified range in each field (Username and Password). | Positive |
| 3 | Verify the login page by pressing ‘Back button’ of the browser. It should not allow you to enter into the system once you log out. | Negative |
| 4 | Verify the timeout functionality of the login session. | Positive |
| 5 | Verify if a user should not be allowed to log in with different credentials from the same browser at the same time. | Negative |
| 6 | Verify if a user should be able to login with the same credentials in different browsers at the same time. | Positive |
| 7 | Verify the Login page against SQL injection attack. | Negative |
| 8 | Verify the implementation of SSL certificate. | Positive |

#### ****Test Cases for Gmail Login page****

| **Sr. No.** | **Test Scenarios** |
| --- | --- |
| 1 | Enter the valid email address & click next. Verify if the user gets an option to enter the password. |
| 2 | Don’t enter an email address or phone number & just click the Next button. Verify if the user will get the correct message or if the blank field will get highlighted. |
| 3 | Enter the invalid email address & click the Next button. Verify if the user will get the correct message. |
| 4 | Enter an invalid phone number & click the Next button. Verify if the user will get the correct message. |
| 5 | Verify if a user can log in with a valid email address and password. |
| 6 | Verify if a user can log in with a valid phone number and password. |
| 7 | Verify if a user cannot log in with a valid phone number and an invalid password. |
| 8 | Verify if a user cannot log in with a valid email address and a wrong password. |
| 9 | Verify the ‘Forgot email’ functionality. |
| 10 | Verify the ‘Forgot password’ functionality. |

#### Test Scenarios for the Sign-up page

**1)** Verify the messages for each mandatory field.

**2)** Verify if the user cannot proceed without filling all the mandatory fields.

**3)** Verify the age of the user when the DOB is selected.

**4)** Verify if the numbers and special characters are not allowed in the First and Last name.

**5)** Verify if a user can sign-up successfully with all the mandatory details.

**6)** Verify if a user can log in with the valid details.

**7)** Verify if the Password and Confirm Password fields are accepting similar strings only.

**8)** Verify if the Password field will prompt you for the weak passwords.

**9)** Verify if duplicate email address will not get assigned.

**10)** Verify that hints are provided for each field on the form, for the ease of use.

#### ****Test Scenarios for the Login page of Mobile Application****

**#1)** Verify if a user can log in with a valid username and password.

**#2)** Verify if a user cannot log in with an invalid username or password. Check permutation and combinations of this.

**#3)** Verify the ‘Keep me Sign In’ option. If this check box is selected, then the user should not get logged out even after exiting the app.

**#4)** Verify if this check box is not selected by default.

**#5)** If the user has signed up with Facebook or social media, verify that the user can log in with those credentials or not.

**#6)** Verify the Forgot password functionality.

**#7)** Verify if the login page fits the mobile screen. The user should not have to scroll the screen.

**Contact us form test cases:**

**Test 1:** Positive, meaning all forms complete correctly user able to submit form,

**Test 2:** Required fields is not complete,

**Test 3:** Phone number is not correct: a). digit wise b). what if you provide characters instead of digits

**Test 4:** Email incorrect

**Test 5:** Attachment: a). file as expected b). file to large c). no file