# Login page test plan

**Functional tests:**

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Description** | **Automated** | **Comments** |
| **Positive tests** | | | |
|  | User can login with a valid email and valid password by clicking “Sign In” button. | Y |  |
|  | User can login with a valid email and valid password by clicking “Enter” key. | Y |  |
|  | Password is encrypted (asterisk). | Y |  |
|  | Clicking “forgot your password” opens the page to reset/retrieve the password. | Y |  |
|  | User can login with new password (after resetting/changing it). | N | I expect Login functionality to support change password but this site doesn’t have such option. I think that this is a design defect. |
|  | Users can login simultaneously from different browsers with different credentials. | Y |  |
|  | There is a reset/delete option in the text boxes. | N | There is no such option – design defect |
| **Negative tests** | | | |
|  | user cannot login with wrong email and invalid password | Y |  |
|  | User cannot login with wrong email and valid password. | Y |  |
|  | User cannot login with invalid email and password. | Y |  |
|  | There is indication when trying to login while email or password is blank. | Y | Both scenarios are automated (blank email, blank password), but blank password test is failing as it is not giving such indication – the field stays as is 🡪 defect. |
|  | There is indication when using invalid email. | Y |  |
|  | A proper error is thrown when trying to login with blank email or password. | Y |  |
|  | A proper error is displayed once trying to sign in with invalid email structure. | Y |  |

Another defect found:

1. Email text box error color is not cleared after fixing the email to a valid one.

**Non Functional tests:**

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Description** | **Automated** | **Comments** |
| **Security tests** | | | |
|  | Verify that the authentication error does not indicate the exact wrong data (password/user). | Y | As part of the negative tests (8,9) |
|  | There is limit on the total number of unsuccessful attempts. | N |  |
|  | Clicking back button after log in, does not logout the user. | N |  |
|  | Clicking back button after logout, does not log the user in. | N |  |
|  | Session is timed out after defined timeout. | N |  |
|  | SQL Injection attacks do not works on login page. | N |  |
| **Performance and load tests** | | | |
|  | How long it takes to log in with a valid email and password. | N |  |
|  | A lot of users can log in at the same time from different browsers | N |  |
| **Browser/responsive compatibility** | | | |
|  | Verify the functionality on different browsers. | N |  |
|  | Verify the functionality on different devices (sizes) | N |  |