Validation Test Plan

**Scenario before validation:**

* No client-side check present while logging in for undesirable input.
* While registration, no check present on username, password.
* No validation to check that one email is being used for one account only.
* No check for uploading the correct type of file on the display.jsp.
* No check present in updating a project.

**Precondition 1:**

* The user is at the login screen (index.jsp).

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| Test cases | | | | |
| TC ID | Condition being tested | Step description | Expected result | Pass/Fail |
| V1 | Blank username and password in Index page | On the login screen: a) Leave the username blank, press TAB.  b) Leave the password blank, press TAB | A pop up saying “Invalid username or password!” | Pass |
| V2 | A invalid username and password in Index page | On the login screen:  a) Enter “user” in the username field, press TAB.  b) Enter “password” in password field, press TAB. | A pop up saying “Invalid username or password!” | Pass |
| V3 | An invalid username in Index page | On the login screen:  a) Enter “user” in the username field, press TAB.  b) Enter “password1!” in password field, press TAB. | A pop up saying “Invalid username or password!” | Pass |
| V4 | An invalid password in Index page | On the login screen:  a) Enter “user1” in the username field, press TAB.  b) Enter “password” in password field, press TAB. | A pop up saying “Invalid username or password!” | Pass |
| V5 | Valid username and password for Index page | On the login screen:  a) Enter “user1” in the username field, press TAB.  b) Enter “password1!” in password field, press TAB. | No pop up should appear. | Pass |

**Precondition 2:**

* The user clicks “here” in the “Not member yet? Click [here](http://localhost:8080/ClubUMLSpring2014/register.jsp) to register.” (register.jsp)

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| Test cases | | | | |
| TC ID | Condition being tested | Step description | Expected result | Pass/Fail |
| V6 | Blank username on registration page | On registration screen:  a)Keep username blank and press TAB. | A message saying “Username should consist only character, number and underscore and should begin with a character only” | Pass |
| V7 | Invalid username on registration page | On registration screen:  a)Enter username as “1user” and press TAB. | A message saying “Username should consist only character, number and underscore and should begin with a character only” | Pass |
| V8 | Existing username on registration page | On registration screen:  a) Enter a username that is already present in the database | A message saying “Username already exists!” | Pass |
| V9 | Invalid Password in both fields on registration page | On registration Screen:  a)Enter “password” in both fields and press TAB. | A message saying “Password must be at least 4 characters, no more than 20 characters and must include upper case, lower case, numeric digits and special characters.“ | Pass |
| V10 | Invalid Email address on registration page | On registration screen:  a)Enter email address “[abcd\_e@gmail](mailto:abdc_j@gmail.comni)” and press TAB | A message saying “Invalid email format” | Pass |
| V11 | A valid username, password and email id on registration page | On registration screen:  a)Enter “user1” and press TAB  b)Enter “Password1!” and press TAB  c)Enter “[user@gmail.com](mailto:user@gmail.com)” and press TAB | Messages saying “Username valid”, “Password valid” and “Email valid” should appear | Pass |

**Precondition 3:**

* The user is logged in.
* The user clicks on “Project” tab on the navigation menu.
* The user clicks on one of the existing projects’ name in the project list.
* The user enters the upload diagram page. (display.jsp)

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| Test cases | | | | |
| TC ID | **Condition being tested** | Step description | Expected result | Pass/Fail |
| V12 | Invalid file selection | On the display screen:  a)Select a file which is not “.ecore” or “.xmi” type and *hover* to Upload button. | A pop up saying “File type must be .ecore or .xmi!” | Pass |
| V13 | Valid file selection | On the display screen:  a)Select a file of type “.ecore” or “.xmi” and *hover* to Upload button. | No pop up should appear | Pass |