**USER LOGIN TEST CASES**

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| **TEST CASE ID** | **PURPOSE** | **INPUT DATA** | **EXPECTED OUTPUT** | **ACTUAL OUTPUT** | **RESULT** |
| 1 | Valid Login | Valid username and password | User successfully logs in and is redirected to the user dashboard | User successfully logs in and is redirected to the user dashboard | PASS |
| 2 | Invalid Username | Invalid username and valid password | Display an error message like "Invalid username. Please check your credentials." | Displays Error Page | FAILS |
| 3 | Invalid Password | Valid username and invalid password | Display an error message like "Invalid password. Please try again." | Displays Error Page | FAILS |
| 4 | Empty Username and Password | Leave both username and password fields empty. | Display error messages indicating that both fields are required. | Display error messages indicating that both fields are required. | PASS |
| 5 | Empty Password | Valid username with an empty password | Display an error message indicating that the password field is required. | Display an error message indicating that the password field is required. | PASS |
| 6 | Empty Username | Empty username with a valid password | Display an error message indicating that the username field is required. | Display an error message indicating that the username field is required. | PASS |
| 7 | Account Lockout | Enter an incorrect password multiple times (exceeding the allowed attempts). | The account should be temporarily locked, and the user should be informed about the lockout duration. |  |  |
| 8 | Forgot Password Link | Click on the "Forgot Password" link and follow the password recovery process. | The user should receive a password reset email with a link to reset the password. |  |  |
| 9 | Remember Me Functionality | Log in with the "Remember Me" option selected, close the browser, and reopen it. | The user should still be logged in without having to re-enter credentials. |  |  |
| 10 | Account Deactivation | Log in to a deactivated account | The system should not allow access and should display a message indicating that the account is deactivated. |  |  |