ID	Title/Test Scenario	Pre-condition	Test Data	Test Steps	Expected Result (ER)	Actual Result (AR)	Status	Comments
Login_TC_01	Verify user can successfully Logs in with valid username and password	User is already registered User is on Login page User is Logged out Browser is opened	Username: tomsmith Password: SuperSecretPassword!	1- Go to the Login page 2- Enter valid username 3- Enter valid password 4- Click "Login" button	User successfully Logs in and be in the home page as a client requirement	User successfully Logs in and be in the home page as expected result	Passed	Works as designed
Login_TC_02	Login with invalid username	User is already registered User is on Login page User is Logged out Browser is opened	Username: tom Password: SuperSecretPassword!	1- Go to the Login page 2- Enter invalid username 3- Enter valid password 4- Click "Login" button	User can't Login and error message will appear "Username is invalid!" as a client requirement	The error message appear "Your username is invalid!" as expected result	Passed	Works as designed
Login_TC_03	Login with invalid password	User is already registered User is on Login page User is Logged out Browser is opened	Username: tomsmith Password: SuperPassword!	1- Go to the Login page 2- Enter valid username 3- Enter invalid password 4- Click "Login" button	User can't Login and error message will appear "Password is invalid!" as a client requirement	The error message appear "Your Password is invalid!" as expected result	Passed	Works as designed
Login_TC_04	Login with empty username	User is already registered User is on Login page User is Logged out Browser is opened	Username: (empty) Password: SuperSecretPassword!	1- Go to the Login page 2- Enter empty username 3- Enter valid password 4- Click "Login" button	User can't Login and error message will appear "Username is required!" as a client requirement	The error message appear "Your username is invalid!"	Failed	Mismatch with client requirement
Login_TC_05	Login with empty password	User is already registered User is on Login page User is Logged out Browser is opened	Username: tomsmith Password: (empty)	1- Go to the Login page 2- Enter valid username 3- Enter empty password 4- Click "Login" button	User can't Login and error message will appear "Password is required!" as a client requirement	The error message appear " Your password is invalid!"	Failed	Mismatch with client requirement
Login_TC_06	Login with empty username and password	User is already registered User is on Login page User is Logged out Browser is opened	Username: (empty) Password: (empty)	1- Go to the Login page 2- Enter empty username 3- Enter empty password 4- Click "Login" button	User can't Login and error message will appear "Username and password is required!" as a client requirement	The error message appear "Your username is invalid!"	Failed	Mismatch with client requirement
Login_TC_07	Login with password containing space	User is already registered User is on Login page User is Logged out Browser is opened	Username: tomsmith password: SuperSecret Password! (with space)	1- Go to the Login page 2- Enter valid username 3- Enter password with space 4- Click "Login" button	User can't Login and error message will appear "Password is invalid!" as a client requirement	The error message appear " Your password is invalid!"	Passed	Works as designed
Login_TC_08	Login username case sensitive	User is already registered User is on Login page User is Logged out Browser is opened	Username: TomSmith Password: SuperSecretPassword!	1- Go to the Login page 2- Enter username with different letter case 3- Enter valid password 4- Click "Login" button	User can't Login and error message will appear "Username is invalid!" as a client requirement	The error message appear "Your username is invalid!"	Passed	Works as designed
Login_TC_09	Login with password case sensitive	User is already registered User is on Login page User is Logged out Browser is opened	Username: tomsmith Password: supersecretpassword!	1- Go to the Login page 2- Enter valid username 3- Enter password with different letter case 4- Click "Login" button	User can't Login and error message will appear "Password is invalid!" as a client requirement	The error message appear " Your password is invalid!"	Passed	Works as designed
Login_TC_10	Login with username and password case sensitive	User is already registered User is on Login page User is Logged out Browser is opened	Username: TomSmith Password: supersecretpassword!	1- Go to the Login page 2- Enter username with different letter case 3- Enter password with different letter case 4- Click "Login" button	User can't Login and error message will appear "Username and Password is invalid!" as a client requirement	The error message appear "Your username is invalid!"	Failed	Mismatch with client requirement
Login_TC_11	Login with username exceeding max length	User is already registered User is on Login page User is Logged out Browser is opened	Username: tomsmithtomsmithtomsmithtomsmith Password: SuperSecretPassword!	1- Go to the Login page 2- Enter username exceed max length 3- Enter valid password 4- Click "Login" button	User can't Login and error message will appear "Username is invalid that exceed max length!" as a client requirement	The error message appear "Your username is invalid!"	Failed	Mismatch with client requirement
Login_TC_12	Login with password exceeding max length	User is already registered User is on Login page User is Logged out Browser is opened	Username: tomsmith Password: SuperSecretPassword!SuperSecretPassword!SuperSecretPassword!SuperSecretPassword!	1- Go to the Login page 2- Enter valid username 3- Enter password exceed max length 4- Click "Login" button	User can't Login and error message will appear "Password is invalid that exceed max length!" as a client requirement	The error message appear " Your password is invalid!"	Failed	Mismatch with client requirement
Login_TC_13	Login with username and password exceeding max length	User is already registered User is on Login page User is Logged out Browser is opened	Username: tomsmithtomsmithtomsmithtomsmith Password: SuperSecretPassword!SuperSecretPassword!SuperSecretPassword!SuperSecretPassword!	1- Go to the Login page 2- Enter username exceed max length 3- Enter password exceed max length 4- Click "Login" button	User can't Login and error message will appear "Username and Password is invalid that exceed max length!" as a client requirement	The error message appear "Your username is invalid!"	Failed	Mismatch with client requirement
Login_TC_14	Login with username less than minimum length	User is already registered User is on Login page User is Logged out Browser is opened	Username: t Password: SuperSecretPassword!	1- Go to the Login page 2- Enter username less than minimum length 3- Enter valid password 4- Click "Login" button	User can't Login and error message will appear "Username is invalid that less than minimum length!" as a client requirement	The error message appear "Your username is invalid!"	Failed	Mismatch with client requirement
Login_TC_15	Login with password less than minimum length	User is already registered User is on Login page User is Logged out Browser is opened	Username: tomsmith Password: S	1- Go to the Login page 2- Enter valid username 3- Enter password less than minimum length 4- Click "Login" button	User can't Login and error message will appear Password is invalid that less than minimum length!" as a client requirement	The error message appear " Your password is invalid!"	Failed	Mismatch with client requirement
Login_TC_16	Login with username and password less than minimum length	User is already registered User is on Login page User is Logged out Browser is opened	Username: t Password: S	1- Go to the Login page 2- Enter username less than minimum length 3- Enter password less than minimum length 4- Click "Login" button	User can't Login and error message will appear "Username and password is invalid that less than minimum length!" as a client requirement	The error message appear "Your username is invalid!"	Failed	Mismatch with client requirement
Login_TC_17	Verify Login security against SQL injection	User is already registered User is on Login page User is Logged out Browser is opened	Username: ' OR '1'='1 Password: SuperSecretPassword!	1- Go to the Login page 2- Enter username with SQL injection 3- Enter valid password 4- Click "Login" button	User can't Login, system blocks SQL injection and error message will appear "Username is invalid!" as a client requirement	The error message appear "Your username is invalid!"	Passed	Works as designed
Login_TC_18	Verify system behavior after multiple failed Login attempts	User is already registered User is on Login page User is Logged out Browser is opened	Username: tomsmith Password: (invalid password multi times)	1- Go to the Login page 2- Enter valid username 3- Enter invalid password 3-5 times 4- Click "Login" button	User can't Login and error message will appear "Password is invalid!" and one of the following should happen based on requirements: - Account is temporarily locked OR - CAPTCHA is displayed	I tried 6 times and the error message appear " Your password is invalid!", no account lock or CAPTCHA displayed	Failed	Mismatch with client requirement
Login_TC_19	Verify Login functionality using Enter key	User is already registered User is on Login page User is Logged out Browser is opened	Username: tomsmith Password: SuperSecretPassword!	1- Go to the Login page 2- Enter valid username 3- Enter valid password 4- Click "Login" button using Enter key	User successfully Logs in and be in the home page as a client requirement	User successfully Logs in and be in the home page as expected result	Passed	Works as designed
Login_TC_20	Verify system behavior after session timeout	User is logged in	N/A	1- Login with valid credentials 2- Stay inactive for the configured session timeout duration 3- Refresh the page after session timeout duration	User session expired and go to Login page as a client requirement	User stay in home page, session timeout not implemented / not working	Failed	Mismatch with client requirement
Login_TC_21	Verify user logout functionality	User is logged in	N/A	1- Login with valid credentials 2- click on "Logout" button	User successfully logs out and go to Login page as a client requirement	User successfully logs out and go to Login page as expected result	Passed	Works as designed