Login Scenarios:

**GUI & Functionality:**

1. Minimum and Maximum lengths should be set for all the text boxes
2. Password should be displayed in masked format rather than showing actual text format
3. Login credentials in UPPER case should not be treated as invalid
4. Validation message should be shown when special characters are entered in the username field, or when invalid username and/or password is entered or the fields are left blank
5. Reset button should clear data from all the text boxes in the form
6. Login credentials, especially password, should be stored in database in encrypted format

**Security:**

1. When logged in user copy URL and paste in new browser window, it should redirect to Login page
2. Users should not be allowed to copy and paste Password from text box
3. Notification email for multiple device login - if user login from unusual device/machine
4. Entering Login credentials using virtual keyboard should be provided for banking application
5. After 3 or 5 unsuccessful attempts of login, user login credentials should get locked for specific period e.g. 24 hours
6. SSL certificate should be implemented/installed for Secured Website
7. SQL injection attacks & XSS should be verified for login
8. Two-way authentication through OTP on mobile/email should be tested for banking application

**Session:**

1. After logout if user clicks on back button user should not be able to login within same session, it should redirect to login page
2. If user logged in on multiple devices and Logout from one device then it should Logout from all platform/devices
3. Maximum Session out time should be set for Secured website

**Browser:**

1. If Browser cookies are cleared and user tries to login, the system should ask for credentials again
2. ‘Remember Form Data’ setting of the browser should not remember the password
3. Validate the login functionality when browser cookies are turned OFF

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Search Scenarios

1. Search results displayed should be relevant to search keyword
2. % sign in search keyword should not redirect to 404 ERROR
3. Application should not crash if user inserted % in search field
4. When user start typing word in text box it should suggest words that matches typed keyword
5. There should be pre-defined search criteria for auto complete e.g. after typing first 3 letter it should suggest matching keyword
6. When user clicks on any link from result and navigates back, then result should be maintained
7. After clicking Search field - search history should be displayed (latest search keyword)
8. All search keyword/filters should get cleared on clicking Reset button
9. Search results should be cleared on clicking clear search button
10. History displayed in search field should be relevant to logged in user only
11. Pagination should be tested for searches returning high number of records
12. Total number of search records/results should be displayed on page
13. Search keyword should get highlighted with color in the search results
14. For ecommerce sites - search keyword should suggest similar kind of product/items
15. For Advanced Search - limited search filters should be provided
16. Water text should be provided for user to understand what to search
17. Validate search rules defined for “Exact Match” with the search key word
18. Validate search rules defined for “Similar Match” with the search key word
19. Validate search rules defined to search with a set of keywords
20. User should be able to search when he enters the keyword and hits ‘Enter’ button on keyboard