1.
positive

- Verify with valid username and password is able to login.
- Verify login button is clickable.
- Verify remember me checkbox is clickable.
- Verify forgot password button is clickable.
- Verify time to login the page.
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negative

- Verify with valid username and invalid password.
- Check error message if valid username and invalid password.
- Verify with invalid username and valid password.
- Check error message if invalid username and valid password.
- Verify in password text box cannot enter values more than boundry values which is decided.

2)

Operating System:

Windows 7:

1) login to www.facbook.com login page in chrome.

2) login to www.facbook.com login page in Microsoft Edge.

Issues

1) Login is time is different in both browsers.

2) It takes more time to load videos in browsers.

3) After random click on different options takes ample of time to response and get hanged.

4) Application response is late when multiple windows are open.

5) After login in one page it is still login in different page as well.

6) It takes time to send message in different browsers.

7) It takes time to load history of messages in different browsers.

8) It takes time to refresh the page in different browsers

Operating System:

Windows 10:

1) login to www.facbook.com login page in chrome.

2) login to www.facbook.com login page in Microsoft Edge.

Issues

1) Login in time is different in both browsers.

2) It takes more time to load videos in browsers.

3) After random click on different options takes ample of time to response and get hanged.

4) Application response is late when multiple windows are open.

5) After login in one page it is still login in different page as well.

6) It takes time to send message in different browsers.

7) It takes time to load history of messages in different browsers.

8) It takes time to refresh the page in different browsers

Operating System:

Linux

1) login to www.facbook.com login page in chrome.

2) login to www.facbook.com login page in Microsoft Edge.

Issues

1) Login is time is different in both browsers.

2) It takes more time to load videos in browsers.

3) After random click on different options takes ample of time to response and get hanged.

4) Application response is late when multiple windows are open.

5) After login in one page it is still login in different page as well.

6) It takes time to send message in different browsers.

7) It takes time to load history of messages in different browsers.

8) It takes time to refresh the page in different browsers

3) Performed usability testing in Amazon using mobile application

Device - Samsung M32.

1) Application opens faster then browser.

2) performance is faster than browser.

3) Tested in different size of screen.

4) Verified the performance after multiple browsers.

5) Tested in 4G and 5G.

4.

1	Login	Enter 49 characters in name field	1.Open browser
			2.Enter Url
			3.Enter 49 characters in name field

2	Login	Enter 50 characters in name field	1.Open browser
			2.Enter Url
			3.Enter 50 characters in name field

3	Login	Enter 51 characters in name field	1.Open browser
			2.Enter Url
			3.Enter 51 characters in name field

4	Login	Enter 9 digits in Mobile number field	1.Open browser
			2.Enter Url
			3.Enter 9 digits in Mobile number field

5	Login	Enter 10 digits in Mobile number field	1.Open browser
			2.Enter Url
			3.Enter 10 digits in Mobile number field

	5.	1. Objective and Scope: Objective: To evaluate the performance and scalability of the web service under varying loads. Scope: Testing will focus on assessing response times, throughput, resource utilization, and system behavior as the load increases. 2. Test Environment Setup: Infrastructure: Define the hardware, network, and software configurations for the test environment. Tools: Specify the testing tools (e.g., JMeter, Gatling, Apache Bench) and monitoring tools (e.g., New Relic, Prometheus) to be used. Data: Prepare test data and identify any data generation tools required. 3. Test Scenarios: Load Testing: Test scenarios for different loads (e.g., low, medium, high) to simulate concurrent users or requests. Varying types of requests (e.g., GET, POST, PUT) and payload sizes. Stress Testing: Increase the load beyond normal capacity to identify the breaking point and observe system behavior under extreme conditions. Scalability Testing: Evaluate the system's ability to scale by gradually increasing resources (horizontal or vertical scaling) and observing its impact on	

		performance. Endurance Testing: Run the system under a consistent load for an extended period to identify performance degradation over time (if any). 4. Performance Metrics: Response Time: Measure the time taken to respond to different types of requests under various loads. Throughput: Evaluate the number of transactions or requests processed per unit of time. Resource Utilization: Monitor CPU, memory, disk I/O, and network usage. Error Rates: Track the occurrence of errors or timeouts at different load levels. 5. Test Execution Plan: Test Execution Schedule: Define the timeline for executing each test scenario. Test Data Preparation: Ensure the availability of relevant test data and consider any data sanitization needs. Monitoring Strategy: Outline the parameters to be monitored and the frequency of monitoring during tests. 6. Risk Assessment and Mitigation: Identify potential risks such as system crashes, data corruption, or performance bottlenecks. Develop mitigation strategies for these risks, including rollback plans if necessary. 7. Reporting and Analysis: Document test results, including performance metrics and observations. Provide insights into the system's behavior, any bottlenecks discovered, and recommendations for improvements. Present findings in a detailed report	

		with graphs, charts, and analysis. 8. Conclusion and Recommendations: Summarize the overall performance of the web service. Provide recommendations for enhancements or optimizations based on test results. 9. Review and Iteration: Schedule a review session to discuss findings, potential improvements, and any necessary retesting.	