**Test Closure Document for Google Search Engine Testing**

**Document Information**

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**1. Introduction**

**1.1 Purpose**

The purpose of this document is to formally close the testing phase for the 'Google Search Engine' project. It summarizes the testing activities, outcomes, and lessons learned.

**1.2 Scope**

This closure document covers all aspects of testing as specified in the Test Plan document.

**1.3 References**

- Google Search Engine Test Plan (Version 1.0)

- Google Search Engine Test Estimation (Version 1.0)

**2. Test Summary**

**2.1 Test Objectives**

The primary objectives of the testing effort were:

- To verify the correctness and completeness of search results.

- To evaluate the usability, performance, and security of the search engine.

- To identify and report defects for quality improvement.

**2.2 Test Execution Summary**

- Start Date: [10/06/2023]

- End Date: [12/21/2023]

- Duration: [45 days]

- Test Levels Executed: [Unit Testing, Integration Testing, System Testing, Acceptance Testing]

- Test Types Executed: [Functional Testing, Usability Testing, Performance Testing, Security Testing, Compatibility Testing]

**2.3 Test Results**

The overall test results are as follows:

- Test Cases Executed: [200]

- Test Cases Passed: [190]

- Test Cases Failed: [10]

- Test Cases Blocked: [10]

- Test Coverage: [95%]

**3. Defect Summary**

**3.1 Defect Metrics**

- Total Defects Identified: [36]

- Total Defects Closed: [33]

- Total Defects Pending: [03]

**3.2 Defect Status**

- Critical Defects: [09]

- Major Defects: [19]

- Minor Defects: [08]

**3.3 Defect Closure**

- Critical Defects: [09]

- Major Defects: [19]

- Minor Defects: [05]

* 1. **Defect Highlights:**

we have some minor defect in open status below that we will cover in next release.

**DEFECT-001 - Slight delay in loading rich results:**

Description: Rich results (e.g., images, videos) sometimes load with a slight delay.

Severity: Minor

Status: Open

**DEFECT-002 - Alignment Issue in Search Result Cards:**

Description: Occasional misalignment of elements within search result cards.

Severity: Minor

Status: Open

**DEFECT-003 - Occasional Duplicate Search Results:**

Description: Rare occurrences of duplicate search results.

Severity: Minor

Status: Open

**4. Test Deliverables**

**4.1 Test Plan**

The Test Plan document (Version 1.0) served as a guide for the testing effort.

**4.2 Test Cases**

Detailed test cases were created to cover functional and non-functional testing scenarios. Provide the link or list of test cases executed as part of the test phase / project.

**4.3 Test Data**

Test data sets, including typical search queries and edge cases, were used during testing. Provide the details or link of the test data used for testing

**4.4 Test Reports**

Various test reports, including test summary reports, defect reports, and progress reports, were generated and shared with stakeholders.

**5. Lessons Learned**

**5.1 Key Takeaways**

Key takeaways and lessons learned from the testing effort include:

- [List of lessons learned]

**5.2 Recommendations for Improvement**

Recommendations for improving future testing efforts include:

- [List of recommendations]

**6. Acknowledgments**

This document acknowledges the contributions and efforts of the testing team, stakeholders, and all parties involved in the testing phase of the 'Google Search Engine' project.

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