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| **Project Name:** | **Google Search engine** |
| **Submitted By:** | **Sulochana Nayak** |
| **Submitted By Date:** | **06-Sep-2023** |

**Test Plan On GoogleSearch Engine**

**1. INTRODUCTION:**

This test plan describes the testing approach and overall framework that will drive the testing of the google.com website. The document introduces:

· Test Strategy: rules the test will be based on, including the givens of the project (e.g.: start / end dates, objectives, assumptions); description of the process to set up a valid test (e.g.: entry / exit criteria, creation of test cases, specific tasks to perform, scheduling).

· Execution Strategy: describes how the test will be performed and process to identify and report defects, and to fix and implement fixes.

· Test Management: process to handle the logistics of the test and all the events that come up during execution (e.g.: communications, escalation procedures, risk and mitigation, team roster)

The project will have three levels of testing, Integration, System and Acceptance. The details for each level are addressed in the approach section and will be further defined in the level specific plans.

**2. Features to be tested:**

* google.com home page
* google search engine.

**3. Approach:**

The objective of the test is to verify that the functionality of google search engine works according to the specifications.

The test will execute and verify the test scripts, identify, fix and retest all high and medium severity defects per the entrance criteria, prioritize lower severity defects for future fixing via CR.

The final product of the test is twofold:

· A production-ready software.

· A set of stable test scripts that can be reused for Functional and UAT test execution

**Functional Testing**

· During Functional testing, testing team will use preloaded data which is available on the system at the time of execution

· The Test Team will be performing Functional testing only on google.com home page.

**UAT**

UAT test execution will be performed by end users (seller & Buyer) and QA Group will provide their support on creating UAT script.

**Exploratory**

The purpose of this test is to make sure critical defects are removed before the next levels of testing can start. this exploratory testing is carried out in the application without any test scripts and documentation.

**3.1 Test Overview:**

● Unit & Integration Testing

● Acceptance Testing

● Regression Testing

● Exploratory testing

**3.2 Test Tool:**

● Google Spreadsheets/Microsoft Excel will be used to write test cases.

**3.3 Test Principles**

· Testing will be focused on meeting the business objectives, cost efficiency, and quality.

· There will be common, consistent procedures for all teams supporting testing activities.

· Testing processes will be well defined, yet flexible, with the ability to change as needed.

· Testing will be a repeatable, quantifiable, and measurable activity

**4. Item Pass/Fail criteria:**

This website is not accepted by the tester and the users, so, we are not satisfied with the performance. when admin approve the users account then users account is activaties.

**5. TEST DELIVERABLES:**

● test plan.

● Test Scenario & Test Cases.

Refer below attached test cases sheet-

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**6. ENVIRONMENTS COVERAGE:**

Browser compatibility (Cross Browser testing): we cover different types of browsers for the verify the browser compatibility, including the following:

● **Chrome.**

● **Firefox.**

● **Edge.**

**7. TESTING SCHEDULES:**

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| --- | --- | --- |
| **Build No** | **Start Date** | **End Date** |
| Project-1 | 05-Sep-2021 | 12-Sep-2021 |

## **8. Responsibilities:**

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| **Task Name** | **Employee** |
| Acceptance test Documentation & Execution | Test Manager, Product manager, Test team, Client |
| Detail Design Reviews | Test Manager, Product manager, Developer Team, Client |
| System/Integration test Documentation & Execution | Test Manager, Developer Team, Test team |
| Test procedures and rules | Test Manager, Product manager, Developer Team, Test team |

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## **9. RISKS & MITIGATION:**

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| **SR.No** | **Risk** | **Mitigation** |
| 1 | Testing schedule is tight. If the start of the testing is delayed due to design tasks, the test cannot be extended beyond the UAT scheduled start date. | The testing team can control the preparation tasks (in advance) and the early communication with involved parties.  · Some buffer has been added to the schedule for contingencies, although not as much as best practices advise |
| 2 | Hardware failure during testing | Make ready It team, also maintain backup h/w resources. |
| 3 | **RESOURCES**  Not enough resources, resources on boarding too late (process takes around 15 days. | Holidays and vacation have been estimated and built into the schedule; deviations from the estimation could derive in delays in the testing |
| 4 | **DEFECTS**  Defects are found at a late stage of the cycle or at a late cycle; defects discovered late are most likely be due to unclear specifications and are time consuming to resolve. | Defect management plan is in place to ensure prompt communication and fixing of issues. |

**10. EXECUTION STRATEGY**

**10.1 Entry and Exit Criteria**

· The entry criteria refer to the desirable conditions in order to start test execution; only the migration of the code and fixes need to be assessed at the end of each cycle.

· The exit criteria are the desirable conditions that need to be met in order proceed with the implementation.

· Entry and exit criteria are flexible benchmarks. If they are not met, the test team will assess the risk, identify mitigation actions, and provide a recommendation.

· Entry criteria to start the execution phase of the test: the activities listed in the Test Planning section of the schedule are 100% completed.

· Entry criteria to start each cycle: the activities listed in the Test Execution section of the schedule are 100% completed at each cycle.