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Timeline								
Desktop	Windows 10	Google Chrome	GUI testing					
			Positive testing					
			Negative testing					
		FireFox	GUI testing					
			Positive testing					
			Negative testing					
	Mac OS	Safari	GUI testing					
			Positive testing					
			Negative testing					
Mobile	Android	Google Chrome	GUI testing					
			Positive testing					
			Negative testing					
		FireFox	GUI testing					
			Positive testing					
			Negative testing					
	IOS	Safari	GUI testing					
			Positive testing					
			Negative testing					
Test reports								

1. INTRODUCTION

The customer wants a perfect website, which passed the full cycle of manual testing. Given the specificity of the site, it is very important to have the same quality as the site.

The Test Plan has been created to facilitate communication among the team members. This document describes approaches and methodologies that will apply to the unit, integration, and system testing. It includes the objectives, test responsibilities, entry and exit criteria, scope, schedule major milestones, and approach. This document has clearly identified what the test deliverables will be, and what is deemed in and out of scope.

2. SCOPE

The document mainly targets the GUI testing and validating data in report output as per Requirements Specifications provided by the Client.

- Manual testing
- Test Automation
- API Testing
- Performance Testing
- Security Testing

3. QUALITY OBJECTIVES

3.1 Primary Objectives

A primary objective of testing is to: assure that the system meets the full requirements, including quality requirements (functional and non-functional requirements), fit metrics for each quality requirement, satisfy the use case scenarios, and maintain the quality of the product. At the end of the project development cycle, the user should find that the project has met or exceeded all of their expectations as detailed in the requirements.

Any changes, additions, or deletions to the requirements document, Functional Specification, or Design Specification will be documented and tested at the highest level of quality allowed within the remaining time of the project and within the ability of the test team.

3.2 Secondary Objectives

The secondary objectives of testing will be to: identify and expose all issues and associated risks, communicate all known issues to the project team, and ensure that all issues are addressed in an appropriate matter before release.

4. TEST APPROACH

The approach, that used, is Analytical therefore, in accordance with a requirements-based strategy, where an analysis of the requirements specification forms the basis for planning, estimating, and designing tests. Test cases will be created during exploratory testing. All test types are determined in Test Strategy.

The team also must use experience-based testing and error guessing to utilize testers' skills and intuition, along with their experience with similar applications or technologies.

The project is using an agile approach, with weekly iterations. At the end of each week, the requirements identified for that iteration will be delivered to the team and will be tested.

5. ENTRY AND EXIT CRITERIA

5.1 Entry Criteria

- All test hardware platforms must have been successfully installed, configured, and functioning properly.
- All the necessary documentation, design, and requirements information should be available that will allow testers to operate the system and judge the correct behavior.
- All the standard software tools including the testing tools must have been successfully installed and functioning properly.
- Proper test data is available.
- The test environment such as lab, hardware, software, and system administration support should be ready.
- QA resources have completely understood the requirements.
- QA resources have sound knowledge of functionality.
- Reviewed test scenarios, test cases, and Requirements Traceability Matrix (RTM).

5.2 Exit Criteria

- A certain level of requirements coverage has been achieved.
- No high-priority or severe bugs are left outstanding.
- All high-risk areas have been fully tested, with only minor residual risks left outstanding.
- Cost – when the budget has been spent.
- The schedule has been achieved.

6. ROLES AND RESPONSIBILITIES

Role	Staff Member	Responsibilities
Project Manager	****	1. Acts as primary contact for development and QA team. 2. Responsible for Project schedule and the overall success of the project.
QA Lead	****	1. Participation in the project plan creation/update process. 2. Planning and organization of the test process for the release. 3. Coordinate with QA analysts/engineers on any issues/problems encountered during testing. 4. Report progress on work assignments to the PM.
QA	****	1. Understand requirements. 2. Writing and executing Test cases. 3. Preparing RTM. 4. Reviewing Test cases, RTM. 5. Defect reporting and tracking. 6. Retesting and regression testing. 7. Bug Review meeting. 8. Preparation of Test Data. 9. Coordinate with QA Lead for any issues or problems encountered during test preparation/execution/defect handling.

7. TEST STRATEGY

7.1 Preparing Test Cases:

QA will be preparing test cases based on exploratory testing. This will cover all scenarios for requirements.

7.2 Preparing Test Matrix:

QA will be preparing a test matrix that maps test cases to respective requirements. This will ensure the coverage for requirements.

7.3 Reviewing test cases and matrix:

- Peer review will be conducted for test cases and test matrix by QA Lead.
- Any comments or suggestions on test cases and test coverage will be provided by the reviewer's respective Author of the Test Case and Test Matrix.
- Suggestions or improvements will be reworked by the author and will be sent for approval.
- Re-worked improvements will be reviewed and approved by the reviewer.

7.4 Creating Test Data:

Test data will be created by respective QA on the client's developments/test site based on scenarios and Test cases.

7.5 Executing Test Cases:

- Test cases will be executed by respective QA on the client's development/test site based on designed scenarios, test cases, and Test data.
- Test result (Actual Result, Pass/Fail) will be updated in the test case document Defect Logging and Reporting: QA will be logging the defect/bugs in the Word document and JIRA, found during the execution of test cases. After this, QA will inform the respective developer about the defects/bugs.

7.6 Retesting and Regression Testing:

Retesting for fixed bugs will be done by the respective QA once it is resolved by the respective developer and bug/defect status will be updated accordingly. In certain cases, regression testing will be done if required.

7.7 Deployment/Delivery:

- Once all bugs/defects are reported after complete testing is fixed and no other bugs are found, the report will be deployed to the client's test site.
- Once a round of testing will be done by QA on the client's test site if required Report will be delivered along with sample output by email to the respective lead and Report group.

8. RESOURCES AND ENVIRONMENTAL NEEDS

Process	Tool
Test case creation	Google Drive, Google Docs, JIRA
Test case tracking	JIRA, Confluence
Test case execution	Manual
Test case management	GoogleDrive, JIRA, Confluence
Test reporting	JIRA
Checklist creating	Google Drive, JIRA

9. APPROVALS

	Project Manager	QA Lead
Name	****	****
Signature		

10. TERMS/ACRONYMS

The below terms are used as examples, please add/remove any terms relevant to the document.

TERM/ACRONYM	DEFINITION
API	Application Program Interface
GUI	Graphical user interface
PM	Project manager
UAT	User acceptance testing
CM	Configuration Management
QA	Quality Assurance
RTM	Requirements Traceability Matrix