**Test Plan: CookBook**

**Project Code : Samsung Sages\_057**

**Objective**

The objective of this test plan is to ensure the quality and reliability of the Cookbook application by thoroughly testing its functionality, usability, performance, and security aspects. The goal is to deliver a seamless and satisfactory user experience to customers.

**Scope**

The scope of this test plan includes testing the following aspects of the Cookbook application:

Core functionality such as **user login, adding recipe,searching functionality** etc.

User interface (UI) and user experience (UX) across different devices and platforms.

Performance under normal and peak load conditions.

Security aspects including data protection, authentication mechanisms, and secure transactions.

Compatibility with various web browsers and mobile devices.

**Roles & Responsibilities**

| Name | Role | Responsibilities |
| --- | --- | --- |
| Pratik Nandan | Test Engineer | 1.Understanding customer requirements  2. Creating test cases on all the modules  3.Creating Test Plan  4.Mindmap |

**Test Approach**

The test approach for the Cookbook application will be:

Risk-based Testing: Prioritize testing efforts based on the impact and likelihood of potential risks.

Exploratory Testing: Discover defects through ad-hoc testing while simulating real-world user scenarios.

User Acceptance Testing (UAT): Involve real users to validate the application against business requirements.

**Test Methodology**

The test methodology for testing the Cookbook application will include:

Manual Testing: Testers will manually execute test cases, explore the application, and report defects.

Security Testing: Perform vulnerability assessments, penetration testing, and compliance checks to ensure data security.

**Schedule**

The testing activities will be conducted according to the following schedule:

| **Task** | **Duration** |
| --- | --- |
| Creating Test Plan | 11-06-2024 |
| Test Case Creation | 12-06-2024 to 13-06-2024 |
| Test Case Execution | 14-06-2024 |
| Summary Report Submission | 15-06-2024 |

**Test Deliverables**

The following are to be delivered to the client:

| **Deliverables** | **Description** | **Test Engineer** | **Target Completion Date** |
| --- | --- | --- | --- |
| Test Plan | Details on the scope of the Project, test strategy, test schedule, resource requirements, test deliverables and schedule | Pratik Nandan | 11-06-2024 |
| Functional Test Cases | Test Cases created for the scope defined | Pratik Nandan | 13-06-2024 |
| Defect Reports | Detailed description of the defects identified along with screenshots and steps to reproduce on a daily basis. | Pratik Nandan | 15-06-2024 |
| Summary Reports | Summary Reports –  Bug by Bug#,  Bugs by Functional Area and Bugs by Priority | Pratik Nandan | 15-06-2024 |

**Entry and Exit Criteria**

The below are the entry and exit criteria for every phase of Software Testing Life Cycle:

**Requirement Analysis**

Entry Criteria:

* All business and functional requirements are clearly defined, documented, and approved.
* User stories or use cases are complete and available.

Exit Criteria:

* The testing team should carefully review and understand all the project requirements. Any questions or uncertainties should be clarified to ensure they know exactly what needs to be tested and how it should work.

**Test Planning**

Entry Criteria:

* Test plan is created, reviewed, and approved.
* Detailed test cases are written, reviewed, and approved.
* Test cases are mapped to requirements to ensure coverage.

Exit Criteria:

* Test Plan document which includes the Test Strategy, which provides a high-level overview of how testing will be conducted. is signed-off by the Client (Cookbook)

**Test Designing**

Entry Criteria:

* The Test Plan document needs to be reviewed and approved by the client and then Test Plan Document is signed-off by the Client

Exit Criteria:

* Test Scenarios and Test Cases Documents are prepared, they need to be reviewed and signed-off by the Client

**Test Execution**

Entry Criteria:

* Test Scenarios and Test Cases document needs to be reviewed and approved by the client and Documents are signed-off by the Client

· Application is ready for Testing

Exit Criteria:

* Test Case Reports, Defect Reports are ready

**Test Closure**

Entry Criteria:

* Test Case Reports, Defect Reports are ready

Exit Criteria:

* ·Test Summary Reports, it overviews of the entire testing process

**Tools**

The following are the list of Tools we will be using in this Project:

* Excel
* Google Docs
* xMind
* Google Sheets

**Risks and Mitigations**

The following are the list of risks possible and the ways to mitigate them:

| **Risk** | **Mitigation** |
| --- | --- |
| Non-Availability of a Resource | Implement backup resource planning. |
| Build URL is not working | Resources will work on other tasks |
| Less time for Testing | We dynamically increase resources based on the client's needs. |

**Approvals**

We will send different types of documents for Client Approval like below:

● Test Plan

· ● Test Scenarios

· ● Test Cases

· ● Reports

Testing will only continue to the next steps once these approvals are done