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.Creating Test Scenario 5. Creating Bug report 6.Creating Summery report

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:

- VS Code
- Google Docs
- Cypress
- 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 Scenario
- Test Cases
- Summery Report

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