Test Plan For Foodpanda

1.Introduction

This test plan defines the strategy and scope for testing Foodpanda's food delivery app. The goal is to ensure all features work flawlessly, delivering a reliable and efficient user experience. It includes details on the testing approach, features covered, criteria for start and completion, roles, responsibilities, and schedule.

1.1 Application Overview

Foodpanda is an online platform for ordering food and beverages from various restaurants. It provides features such as user account management, searching for restaurants, placing orders, real-time delivery tracking, and secure payment options.

1.2 Purpose

The purpose of this test plan is to ensure that the Foodpanda application meets the defined requirements, works flawlessly across all intended platforms, and provides an excellent user experience. This document focuses on the System Test Plan level.

2. Scope of Testing Approach

- > Functional Testing: To ensure each feature
- ➤ **UI Testing:** To check the application's user interface for consistency, responsiveness, and ease of navigation.
- ➤ **Performance Testing:** To test the app under various load conditions, including high traffic scenarios.
- > **Security Testing:** To validate secure payment gateways, user data protection, and resistance to vulnerabilities like SQL injections or unauthorized access.
- ➤ **Compatibility Testing:** To verify the app works smoothly across multiple devices, screen sizes, and operating systems.
- **Regression Testing:** To ensure that changes or updates do not affect existing functionalities.
- ➤ **Global Components Testing:** To confirm localization and adaptability to different languages and currencies.
- > **Usability Testing:** To evaluate the user-friendliness and intuitiveness of the application.
- > Integration Testing: To check the smooth interaction between different modules
- **Database Testing:** To ensure accurate storage, retrieval, and security of data.

3. Test Items

- > User account (sign-in, login, logout)
- Login page
- ➤ Home page (search bar)

- Delivery tracking
- Ordering workflow
- > Payment processing
- > My profile (settings)

4. References

- > Foodpanda Functional Requirements Document
- > Foodpanda UI Design Specifications
- > Foodpanda API Documentation

5. Features to be Tested

- > User authentication (registration, login, logout)
- > Search bar functionality
- > Order placement and modification
- > Delivery tracking
- > Secure payment processing
- > Profile updates and preferences

6. Features Not to be Tested

- > Back-end server architecture
- > Third-party restaurant-specific functionalities
- > Non-food delivery features

7. Test Approach

Testing will follow the Agile methodology with iterative cycles. A mix of manual and automated testing will be employed:

- > Manual Testing: For usability, UI, and exploratory testing.
- > Automated Testing: For regression, performance, and compatibility testing.
- > Testing will be conducted in phases: Unit testing, Integration testing, System testing, and User Acceptance testing (UAT).

8. Entry Criteria

- > Development of features is complete and deployed to the test environment.
- > Test cases are prepared and reviewed.
- > Test data is available.
- > All necessary tools and environments are set up.

9. Exit Criteria

- > All critical and high-priority defects are resolved.
- > 95% of test cases have passed.
- > No open defects that impact the core functionality.
- > Approval from stakeholders.

10. Suspension Criteria

Testing will be suspended if:

- > The test environment becomes unstable or inaccessible.
- > Critical functionality is broken, blocking further testing.
- > Missing or incomplete test data.

11. Roles & Responsibilities

- > **Test Lead:** Plan and coordinate testing activities, monitor progress, and report results.
- **Testers:** Write and execute test cases, report bugs, and retest resolved issues.
- **Developers:** Fix reported bugs and support testing teams.
- Product Manager: Approve test results and changes.

12. Schedule

- > Test Planning: 1 week
- > Test Case Development: 2 weeks
- > Test Environment Setup: 1 week
- > Test Execution: 3 weeks
- > **Defect Resolution and Retesting:** 2 weeks
- > Test Closure: 1 week

13. Training

- Application Training:
 - Sessions on the functionalities of the Foodpanda application.
- > Tool Training:
 - Training on any test management or automation tools to be used.

14. Test Environment / Lab

- > Hardware:
 - Devices: Smartphones (iOS and Android), Tablets, PCs.

• Servers: Test servers mirroring the production environment.

> Software:

- Operating Systems: Latest versions of iOS, Android, Windows, macOS.
- Browsers: Chrome, Firefox, Safari, Edge.
- Test Tools: Test management and automation tools as required.

15. Test Deliverables

- > Test Plan Document
- > Test Cases and Test Scripts
- > Test Execution Reports
- Defect Reports
- > Test Summary Report

16. Approvals

- > Test Lead: Rokaiya Zaman Suthi
- > Project Manager: Rokaiya Zaman Suthi
- > Quality Assurance Manager: Rokaiya Zaman Suthi

17. Glossary

- > **Test Case:** A set of conditions under which a tester assesses whether an application is working correctly.
- > **Defect:** Any variance between the expected and actual result.
- Regression Testing: Testing existing software applications to ensure that a change or addition hasn't broken any existing functionality.