Project Information

Project Name: [Konga Checkout Process]
Project Manager: [HOD,QA Engineer, Remita]
Project Start Date: [30/12/2023]
Project End Date: [2/1/2024]

Test Strategy Report

1. Introduction

1.1 Purpose

The purpose of this Test Strategy is to outline the overall testing approach for the Konga checkout proccess the document provides a comprehensive overview of the testing activities, testing objectives, environment, ,testing types(functional, usability,security) to ensure the delivery of a high-quality product that meet the specific requirement.

1.2 Scope

The testing effort will cover all aspects of Konga Checkout process, including functional testing, non functional testing, performance testing, usability testing and security testing. it encompass various phases of the software Development life cycle, from unit testing to user acceptance testing.

1.5 Objectives

1. Ensure the reliability and stability of the Konga checkout process.
2. Identify and rectify defects at an early stage in the development life cycle.
3. Verify that the system meets specific requirements.
4. Validate that the system functions as expected in different environments.
5. Evaluate the system performance under various conditions.

2. Test Approach

2.1 Testing Levels

The testing will be conducted at the following levels:

- **Unit Testing:** Developers will perform unit testing for individual components.
- **Integration Testing:** Verify the interactions between integrated components.
- **System Testing:** Validate the entire system against the
- **Acceptance Testing:**Confirm the system meets the acceptance criteria.

2.2 Testing Types

1. **Functional Testing:** Validate the functional aspect of the system
2. **Non-functional Testing:** Evaluate non-functional aspect such as performance, security and usability
3. **Regression Testing:** Ensure that new changes and updates do not negatively impact existing ones.
4. **Compatibility Testing**: Verify the compatibility of system across various platforms

3. Test Deliverables

The following deliverables will be produced during the testing process:

- Test Plan: Documenting the overall test approach,resources, and schedule.
- Test Cases: Detailed test cases covering all functionalities and scenarios.
- Test Scripts: Automated scripts for repetitive and critical test cases.
- Defect Reports: Documentation of any identified defects, including severity and steps to reproduce it.

4. Test Environment

4.1 Hardware

The testing will be conducted on Hp laptop

4.2 Hardware

The following software components will be performed on windows 10 with these tools

4.3 Software

Realistic and diverse test data will be used to stimulate different usage scenarios.

5. Test Schedule

The testing activities will be aligned with the development milestone. The detailed schedule is provided in the project plan.

6. Responsibilities

Clear roles and responsibilities for testing activities will be defined. This includes the roles of testers, developers, and any other stakeholders involved in the testing process.

7. Risks and Mitigations

Identified risks, along mitigation strategies, are outlined to address potential challenges that may impact the testing process.

8. Sign-off Criteria

The testing phase will be considered complete when:

1. All critical defects are resolved.
2. Test coverage meets the specific criteria.
3. Performance and load testing results are within acceptable limits.

9. Approval

This test strategy document is subject to approval by the HOD, QA Engineer Remita. Once approved, it will serve as the guiding document for all testing activities throughout the project.