<https://docs.google.com/document/d/1tg20AvJeoBPhWmVeN1vwRYzJc36Mo6EKiXgt9ZSYauU/edit>

1. Overview

  - Objective: Ensure Nep-Pay's functionality, security, and performance meet requirements.

  - Approach: Iterative testing from unit to acceptance, combining automated and real-time testing.

2. Test Schedule

  - Phases: Unit Testing, Integration Testing, System Testing, Acceptance Testing.

  - Key Milestones: Environment Setup, Unit Testing Completion, Integration Testing Completion, System Testing Completion, User Acceptance Testing Completion.

3. Test Environment

  - Hardware: Servers, Testing Devices.

  - Software: Browsers, Mobile Platforms, Testing Tools (Selenium, JMeter).

  - Test Data: Simulated user data and test credit card details.

4. Test Cases

  - Functional Testing: Validate user registration, payment processing, and transaction history.

  - Security Testing: Evaluate PCI DSS compliance, data encryption.

  - Performance Testing: Assess response time, system scalability.

5. Test Execution

  - Execution Plan: Follow the defined schedule.

  - Defect Tracking: Log and monitor issues with severity and priority categorization.

6. Risks and Contingencies

  - Risks: Potential development delays, security vulnerabilities.

  - Contingencies: Regular communication, immediate action for critical vulnerabilities.

7. Test Deliverables

  - Reports: Regular progress reports, final summary report.

  - Artifacts: Test cases, scripts, results, defect reports.

8. Sign-Off

  - Approval from QA lead and stakeholders indicating testing completion.