**Test management exercise:**

**Task: Create a test plan for provided user stories**

**Test Plan:**

**Revision History:**

|  |  |
| --- | --- |
| Version | Approver |
| 0.1 |  |

1. **Test Plan ID:** A&A-TP-001
2. **Introduction**

The test plan outlines the strategy, objectives, resources and schedule for testing the functionalities. The goal is to ensure that all functionalities are implemented as per the requirements and are meeting the acceptance criteria.

1. **Objectives and Tasks**

* **Objectives:**
  + To validate the successful login of registered users from a new device
  + To validate the upgrade process for individual investors to premium accounts
  + To validate SMS notifications for loan request status
  + To verify the approval process for loan requests by departmental staff
  + To confirm the verification of corporate investor’s commercial registration via a third-party service
* **Tasks:**
  + Create detailed test cases for each user story
  + Create Risk Based Testing (RBT)
  + Create Test Run
  + Execute test cases according to the defined schedule
  + Report and track defects
  + Validate fixes and perform regression testing

1. **Scope**

* **In-Scope:**
  + User login functionality from a new device
  + Upgrade process for individual investors
  + SMS notifications for loan approval and rejection
  + Loan request approval processes by the Department
  + Commercial registration verification with a third-party service
* **Out of Scope:**
  + Device Testing
  + Performance Testing
  + User registration process

1. **Test Environment**

* Hardware: Laptop Machine – ThinkPad T14 developer machine
* Web Browser (latest version): Chrome, Edge, Firefox, Safari
* Software: Visual Studio, VS Code
* Network: ABC

1. **Resources**

* Test Manager: Haider Ali Farooq
* Test Engineer: ABC
* Development Team: XYZ
* Tools: XXX
* Test Management Tool: Jira
* Automation Tools: Selenium
* SMS Gateway for notifications

1. **Test Schedule**

* Test Planning: 8th January 2025
* Test Case Development: 8th January 2025 – 9th January 2025
* Test Execution: 9th January 2025 – 10th January 2025
* Defect Reporting: Ongoing
* Test Closure: 10th January 2025

1. **Test Deliverables**

* Test Plan Document
* Test Cases Document
* Test Execution Report
* Defect Report
* Final Test Summary Report

1. **Risk Management**

* **Risks:**
  + Delays in development resulting in insufficient testing time
  + Notification testing affected by issues in SMS Gateway
  + Integration issues with third-party services
* **Mitigation Strategies:**
  + Increase communication with the development team.
  + Backup plan for testing SMS notifications (e.g., using mock services)
  + Extensively test integration points with third-party services

**User Stories Overview**

* User Story 1: Registered User Login from a New Device
  + AC: Successful login, OTP validation, SMS notification, logout from other devices, redirection to home page.
* User Story 2: Individual Investor - Upgrade to Premium
  + AC: Ability to upgrade accounts, document upload, compliance approval, notifications for status updates.
* User Story 3: Approvals Notifications | SMS
  + AC: SMS notifications for loan approvals and rejections, including reasons for rejection.
* User Story 4: Departments Approval
  + AC: Approval process for loan requests, viewing department approvals.
* User Story 5: Corporate Investor - Commercial Registration Verification Via [X]
  + AC: Verification of commercial registration with valid and invalid data handling, validation of start date.