

Test Management Document

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1. Test Plan

The test plan for the provided user stories outlines the approach, scope, resources, and schedule for testing activities. The key objectives are to ensure functionality, security, and performance of the features.

1.1 Objectives

To verify that the system meets the user stories' requirements, performs as expected under various scenarios, and ensures all features are free of critical bugs.

1.2 Scope

The testing scope includes functional, acceptance, and edge-case testing of the following user stories:

- Registered User Login From a New Device
- Individual Investor - Upgrade To Premium
- Approvals Notifications | SMS
- Departments Approval
- Corporate Investor - Commercial Registration Verification Via [X]

1.3 Assumptions

- All dependencies, including third-party services like SMS and [X], are operational.
- Necessary user credentials, permissions, and test data are available.
- Test environment mimics production behavior.

1.4 Test Environment

- Web browsers: Chrome, Firefox, Safari
- Devices: Desktop, Mobile
- Integration with third-party SMS services and commercial registration service [X].

2. Risk-Based Testing (RBT)

Risk-Based Testing focuses on prioritizing test scenarios and features based on their potential impact and likelihood of failure. Critical functionalities and high-risk areas are tested first.

2.1 Risk Assessment

- Registered User Login From a New Device - Risk Level: High - Reason: User security and multi-device login validation.

- Individual Investor - Upgrade To Premium - Risk Level: High - Reason: Financial data validation and compliance approvals.
- Corporate Investor - Commercial Registration Verification Via [X] - Risk Level: High - Reason: Third-party service integration.
- Departments Approval - Risk Level: Medium - Reason: Approval workflows with multiple departments.
- Approvals Notifications | SMS - Risk Level: Low - Reason: Simple notification logic.

3. Test Cases

Registered User Login From a New Device

- [Acceptance] Verify login with valid phone number and password.
- [Acceptance] Verify OTP validation and successful login.
- [Edge] Attempt login with invalid phone number.
- [Edge] Attempt login with incorrect OTP.

Individual Investor - Upgrade To Premium

- [Acceptance] Verify user can select upgrade options.
- [Acceptance] Verify successful document upload.
- [Acceptance] Verify compliance team approval notification.
- [Edge] Attempt upgrade with missing documents.

Approvals Notifications | SMS

- [Acceptance] Verify SMS is sent upon loan approval.
- [Acceptance] Verify SMS is sent upon loan rejection with reasons.
- [Edge] Verify relation manager gets notified on loan rejection.

Departments Approval

- [Acceptance] Verify department can approve a request.
- [Acceptance] Verify approved requests display department details and timestamp.

Corporate Investor - Commercial Registration Verification Via [X]

- [Acceptance] Verify valid commercial registration number processes successfully.
- [Acceptance] Verify system rejects invalid registration numbers.
- [Edge] Verify system notifies user for start dates < 2 years.

4. Test Runs

Test runs will be executed as follows:

1. Initial test runs for acceptance criteria.
2. Edge case testing to ensure robustness.
3. Regression testing after every major release or bug fix.

Test runs will be performed sequentially first, followed by parallel testing for optimization. Tools like Jenkins, Selenium, and JUnit will be used to manage and execute tests.