

Test Plan

Objective

To ensure that the functionality described in the user stories is implemented correctly, meets the acceptance criteria, and handles all edge cases effectively.

Scope

The test plan covers the following user stories:

- 1. Registered User Login From a New Device
- 2. Individual Investor - Upgrade to Premium
- 3. Approvals Notifications | SMS
- 4. Departments Approval
- 5. Corporate Investor - Commercial Registration Verification Via [X]

Testing Approach

- Manual Testing: Focus on usability, acceptance criteria, and edge cases.
- Automation Testing: Automate regression and repetitive tests where applicable.
- Risk-Based Testing (RBT): Prioritize test cases based on potential risks.

Risk-Based Testing (RBT)

Risk	Impact	Probability	Mitigation Strategy
Login functionality fails	High	Medium	Comprehensive test coverage for login.
Document upload issues	High	Medium	Test various file formats and sizes.
Notifications not sent	High	Low	Ensure integration testing for SMS APIs.
Approval system inconsistencies	Medium	Medium	Verify data consistency in approvals.
Commercial registration failures	Medium	Medium	Validate all responses from third-party.

Test Cases

1. Registered User Login From a New Device

Acceptance Cases:

1. Verified users can input phone numbers and passwords on the login page.
2. Verify the system validates inputs correctly.
3. Verify the OTP screen appears after input validation.
4. Verify successful login redirects to the home page.
5. Verify SMS notification is sent after successful login from a new device.
6. Verify all other devices are logged out.

Edge Cases:

1. Invalid phone number or password (wrong format or empty field).
 2. Incorrect OTP entered multiple times.
 3. Logging in with an expired OTP.
 4. Logging in while the account is locked due to suspicious activity.
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2. Individual Investor - Upgrade to Premium

Acceptance Cases:

1. Verify the "Upgrade to Premium" button is clickable.
2. Verify the user can select one of the qualification options.
3. Verify the document upload feature allows valid files.
4. Verify compliance staff can view and approve the request.
5. Verify the relation manager is notified about request status.
6. Verify notification is sent to the user after successful document upload.

Edge Cases:

1. Uploading an unsupported file format or exceeding file size limit.
 2. Selecting multiple options simultaneously.
 3. Interrupted network during file upload.
 4. Compliance staff fail to act on the request.
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3. Approvals Notifications | SMS

Acceptance Cases:

- Scenario 1:

1. Verify an SMS is sent to the user after final loan approval.
- Scenario 2:
 1. Verify the relation manager is notified of the rejection reason.
 2. Verify SMS with rejection reasons is sent to the user after the relation manager's final rejection.

Edge Cases:

1. Delayed or failed SMS delivery.
 2. Rejection reasons exceeding character limits.
 3. The Relationship manager does not receive notifications.
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4. Departments Approval

Acceptance Cases:

- Scenario 1:
 1. Verify department representatives can see the "Approve" button.
 2. Verify the request is marked as approved upon clicking the button.
- Scenario 2:
 1. Verify details of departments' approvals are displayed with timestamps.

Edge Cases:

1. Approving a request already approved by another department.
 2. Viewing incomplete approval details.
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5. Corporate Investor - Commercial Registration Verification Via [X]

Acceptance Cases:

- Scenario 1:
 1. Verify the system sends valid commercial registration numbers to [X].
 2. Verify users can proceed with valid registration numbers.
- Scenario 2:
 1. Verify the system identifies invalid registration numbers.
 2. Verify users are prompted to re-enter invalid numbers.
- Scenario 3:
 1. Verify users are notified if the company's start date is less than 2 years.
 2. Verify users can proceed if the company's start date exceeds 2 years.

Edge Cases:

1. Multiple invalid attempts with incorrect registration numbers.
 2. Third-party service [X] unresponsive or providing delayed results.
 3. Validation logic fails for borderline cases (e.g., exactly 2 years).
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Test Runs

Registered User Login From a New Device

- Test Run 1: Valid credentials and successful login.
- Test Run 2: Invalid credentials and failed login.
- Test Run 3: OTP validation with correct and incorrect inputs.

Individual Investor - Upgrade to Premium

- Test Run 1: Successful upgrade with valid documents.
- Test Run 2: Failed upgrade due to invalid or missing documents.
- Test Run 3: Notification handling for compliance and relation manager.

Approvals Notifications | SMS

- Test Run 1: Successful SMS notification for approval.
- Test Run 2: Rejection notification with detailed reasons.

Departments Approval

- Test Run 1: Approving a request in review.
- Test Run 2: Viewing approval details from multiple departments.

Corporate Investor - Commercial Registration Verification Via [X]

- Test Run 1: Valid registration number and successful verification.
- Test Run 2: Invalid registration number and re-entry.
- Test Run 3: Validation of start date for eligibility.