

Soar Test Management Task.

Test Plan for Provided User Stories

1. Introduction

This document outlines the test plan for the provided user stories, covering test cases, risk-based testing, and test runs.

2. 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]**

3. Test Strategy

- **Functional Testing:** To ensure all features work as expected.
- **Regression Testing:** To check new changes do not break existing functionality.
- **Security Testing:** To validate authentication and data protection.
- **Usability Testing:** To confirm user-friendly navigation.
- **Performance Testing:** To measure system response times under various loads.

4. Risk-Based Testing (RBT)

Risk Level	Test Area	Potential Impact	Mitigation Strategy
High	Login from new device	Unauthorized access	Implement robust authentication and security checks
High	Premium account upgrade	Financial security risks	Ensure proper document verification

Medium	Approval notifications	Delay in communication	Implement failover mechanisms
Medium	Department approvals	Incorrect approval logging	Audit trail verification
High	Commercial registration verification	Fraudulent registrations	Third-party integration validation

5. Test Cases

1. Registered User Login From a New Device

Acceptance Cases:

1. Verify successful login with valid credentials and OTP.
2. Ensure the user receives an SMS upon logging in.
3. Validate that all previous sessions are logged out.

Edge Cases:

1. Attempt login with incorrect OTP.
2. Check system behavior when SMS service is unavailable.
3. Validate login with an expired session.

2. Individual Investor - Upgrade to Premium

Acceptance Cases:

1. Verified users can choose at least one eligibility criteria.
2. Validate document upload functionality.
3. Ensure the compliance team receives the request.

Edge Cases:

1. Attempt to proceed without selecting a criterion.
2. Upload invalid or corrupted documents.
3. Test system behavior if the compliance team fails to respond.

3. Approvals Notifications | SMS

Acceptance Cases:

1. Verify SMS is sent upon loan approval.
2. Ensure rejection reasons are properly communicated.

Edge Cases:

1. Simulate failure in SMS delivery.
2. Check behavior when a relation manager rejects a request without providing reasons.

4. Departments Approval**Acceptance Cases:**

1. Validate department representatives can approve requests.
2. Ensure all approvals are logged correctly.

Edge Cases:

1. Attempt approval with incorrect user permissions.
2. Test multiple simultaneous approvals.

5. Corporate Investor - Commercial Registration Verification Via [X]**Acceptance Cases:**

1. Verifying valid registration allows the user to proceed.
2. Ensure system prompts for a valid number if input is incorrect.
3. Validate start date condition for less than two years.

Edge Cases:

1. Simulate third-party service downtime.
2. Check response handling for malformed API responses.

6. Test Runs

- **Manual Testing:** Functional scenarios will be tested manually to validate acceptance criteria.
- **Automated Testing:** Regression and security test cases will be automated using Playwright.
- **Performance Testing:** Load testing will be performed using JMeter.

7. Reports and Repository Integration

- **Test execution reports** will be generated and stored in the repository.
- **Bug tracking** will be managed via Jira/GitHub Issues.
- **All artifacts** (test scripts, reports, results) will be stored in the repository.