

Test Plan for User Story: Departments Approval

1. Test Plan

1.1 Objective: The objective of this test plan is to ensure that the "Departments Approval" functionality allows department staff to review and approve loan requests effectively, contributing to the overall approval process. The system should also provide a detailed view of all departmental approvals for a loan request.

1.2 Scope:

- Testing the review and approval process for loan requests by department staff.
- Validation of the "Approve" button functionality.
- Displaying approval details for loan requests by multiple departments, including staff members and timestamps.

1.3 Assumptions:

- Loan requests go through multiple departments for approval.
- Each department staff member can access and review the loan requests assigned to their department.
- The system can log and display approvals along with staff details and timestamps.

1.4 Roles and Responsibilities:

- Test Manager: Oversee the testing process.
- Test Engineer: Create and execute test cases.
- Developer: Fix issues reported during testing.
- Business Analyst: Clarify requirements and acceptance criteria.

1.5 Tools:

- Test Management Tool (e.g., JIRA, TestRail)
- Automation Tools (e.g., Selenium, Cypress)

1.6 Schedule:

- Test Case Development: 2 days
- Test Execution: 3 days
- Bug Fixing and Retesting: 2 days

2. Risk Based Testing (RBT)

2.1 Risk Identification:

- Failure to display the "Approve" button.
- Incorrect marking of requests as approved.
- Errors in displaying approval details, including missing or incorrect staff and timestamp information.
- System not updating the approval status correctly.

2.2 Risk Assessment:

- High: Failure to display the "Approve" button, incorrect approval marking.
- Medium: Errors in displaying approval details.
- Low: Minor UI inconsistencies in the approval section.

2.3 Mitigation Plan:

- High risks will have priority in testing and bug fixing.
- Regular code reviews and automated tests for critical functionalities.

3. Test Cases

3.1 Acceptance Test Cases:

- **Test Case 1: Approving a Loan Request**
 - **Pre-condition:** Loan request is in review by a specific department.
 - **Steps:**
 1. Login as a department staff member.
 2. Navigate to the loan request in review.
 3. Click on the "Approve" button.
 - **Expected Result:** The request is marked as approved from the department.
- **Test Case 2: Viewing Department Approvals**
 - **Pre-condition:** Loan request has been approved by multiple departments.
 - **Steps:**
 1. Navigate to the loan request details page.

2. View the section displaying department approvals.
- **Expected Result:** The section displays all departments that have approved the request, with staff members' names and approval timestamps.

3.2 Edge Test Cases:

- **Test Case 3: Approve Button Not Visible**
 - **Steps:**
 1. Login as a department staff member.
 2. Navigate to a loan request in review.
 - **Expected Result:** The "Approve" button should be visible and clickable.
- **Test Case 4: Approval Details Missing**
 - **Steps:**
 1. Navigate to the loan request details page.
 2. Check the approval section for missing staff member names or timestamps.
 - **Expected Result:** All approval details should be present and accurate.

4. Test Runs

4.1 Initial Test Run:

- Execute all acceptance test cases to validate the basic functionality.

4.2 Regression Test Run:

- Execute edge test cases and any impacted test cases after fixing bugs.

4.3 Smoke Test Run:

- Run critical test cases to ensure the major functionalities work before release.

4.4 Performance Test Run:

- Check the system's response time and behavior under load, especially during the approval process and displaying department approvals.