

Loan Management System (LMS) – Bug Report

Team: Loan Management System 1

Prepared By:

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Bug ID: 001

Title: Admin User Management Page – Deleting Customers with Active Loan Count (0) but Having Chats

Severity: Major

Steps to Reproduce:

1. Create a new customer account without any loans.
2. Chat with the admin using this new account.
3. Attempt to delete the customer from the admin user management page.

Expected Result: The customer with active loan count 0 should be deleted successfully.

Actual Result: User deletion failed.

Status: Closed

Assigned To: Purna Sai

How We Approached the Solution:

- Analyzed the backend delete user logic and found that the deletion was blocked due to existing chat messages linked to the customer.
- Investigated database constraints and discovered that foreign key references from chat_messages table to users table prevented deletion.
- Implemented a solution by adding cascade delete configuration for chat messages linked to a user. This ensures that when a customer is deleted, their associated chat records are also removed automatically.
- Tested by recreating the issue, confirming that customers with no loans but existing chats can now be deleted successfully.

Bug ID: 002

Title: Missing Loan ID in Upcoming EMI Notification List on Customer Dashboard

Severity: Major

Steps to Reproduce:

1. Open the customer dashboard.
2. View the Upcoming EMI schedule notifications list.

Expected Result: Loan ID should be displayed in the notifications for each EMI.

Actual Result: Loan ID is missing in the notifications list.

Status: Closed

Assigned To: Sandeep

How We Approached the Solution:

- Checked the frontend notification component and confirmed that the Loan ID field was not being rendered in the notification list.
- Reviewed the backend API response for upcoming EMI notifications and verified that the Loan ID was available in the response payload but was not passed through to the UI component.
- Updated the frontend notification mapping logic to correctly bind Loan ID along with EMI details.
- Conducted end-to-end testing to ensure that Loan ID is displayed for all EMI notifications in the dashboard.

Bug ID: 003

Title: Active Loan Count per Loan Type Not Updating Properly on Apply Form Page

Severity: Major

Steps to Reproduce:

1. Apply for two loans of the same loan type without refreshing the apply form component.

Expected Result: Active loan count for the loan type should update accurately.

Actual Result: Active loan count does not update properly.

Status: Closed

Assigned To: Janaki Ram

How We Approached the Solution:

- Investigated the issue by checking the frontend apply form state management and found that the loan count was being fetched only on component mount.
 - Confirmed that the backend API was correctly updating the active loan count after each loan application.
 - The problem was isolated to the frontend not re-fetching updated loan counts after a new loan submission.
 - Implemented a fix by triggering a refresh call to the backend API whenever a new loan application was successfully submitted.
 - Verified that the apply form component now displays updated loan counts dynamically without requiring a manual page refresh.
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Bug ID: 004

Title: Admin Loan Application Reject After Approval

Severity: Major

Steps to Reproduce:

1. First approve the loan applications.
2. Now reject the same loan application.

Expected Result: Approved loans cannot be rejected; they can only be closed.

Actual Result: Loan is being rejected even after approval.

Status: Closed

Assigned To: Vandana

How We Approached the Solution:

- Reviewed the loan status workflow logic in the backend and found that the reject action did not validate the current loan status.
- This allowed rejection of loans even after approval.
- Introduced a **status validation check** before performing the reject action.
- Implemented rule:
 - If status = "PENDING" → rejection is allowed.
 - If status = "APPROVED" → rejection is blocked, only "CLOSED" action is permitted.
- Conducted test cases for loan status transitions to ensure business rules were enforced.