Professional Loan Management System – API Documentation

Base URL: http://localhost:8732/api

## User Registration

Method: POST

Endpoint: /users/register

Description: Registers a new user.

Body Example:  
{  
 "email": "user@example.com",  
 "password": "1234",  
 "role": "USER"  
}

Response Example:  
200 OK - Registration successful

## User Login

Method: POST

Endpoint: /users/login

Description: Logs in a user.

Body Example:  
{  
 "email": "user@example.com",  
 "password": "1234"  
}

Response Example:  
200 OK - Returns user info

## Forgot Password (OTP)

Method: POST

Endpoint: /users/forgot-password

Description: Sends OTP to user email.

Query Parameters: email=user@example.com

Response Example:  
200 OK - OTP sent

## Verify OTP

Method: POST

Endpoint: /users/verify-otp

Description: Verifies OTP for a user.

Query Parameters: email=user@example.com&otp=123456

Response Example:  
200 OK - OTP is valid

## Reset Password

Method: POST

Endpoint: /users/reset-password

Description: Resets user password.

Query Parameters: email, otp, newPassword

Response Example:  
200 OK - Password reset successful

## Get User by ID

Method: GET

Endpoint: /users/{id}

Description: Fetch a specific user by ID.

Response Example:  
200 OK - User object

## Apply for Loan

Method: POST

Endpoint: /loans/apply

Description: User submits a loan application with documents (multipart).

Response Example:  
200 OK - Loan application submitted

## Update Loan Status

Method: PUT

Endpoint: /loans/update-status/{applicationId}

Description: Admin updates application status.

Query Parameters: status, comment

Response Example:  
200 OK - Status updated

## Get All Applications

Method: GET

Endpoint: /loans/all

Description: Get all loan applications.

## Get User Applications

Method: GET

Endpoint: /loans/user/{userId}

Description: Fetch all applications of a user.

## List User Documents (Loan)

Method: GET

Endpoint: /loans/documents/user/{userId}

Description: List PF & Salary Slip documents for user.

## List Application Documents

Method: GET

Endpoint: /loans/documents/application/{applicationId}

Description: Documents of specific application.

## Download Document (Loan)

Method: GET

Endpoint: /loans/documents/download/{applicationId}/{type}

Description: Downloads either 'pf' or 'salary' PDF.

## Upload Document

Method: POST

Endpoint: /documents/upload

Description: Uploads a generic document.

Response Example:  
200 OK - Metadata of uploaded document

## Get User Documents

Method: GET

Endpoint: /documents/user/{userId}

Description: Gets all uploaded documents by user.

## Download Document

Method: GET

Endpoint: /documents/download/{documentId}

Description: Downloads document by ID.

## Delete Document

Method: DELETE

Endpoint: /documents/{documentId}

Description: Deletes document by ID.

## Disburse Loan

Method: POST

Endpoint: /disbursements/disburse/{applicationId}

Description: Disburses loan amount.

Query Parameters: amount=50000

Response Example:  
200 OK - Disbursement object

## Simulate EMI Payment

Method: POST

Endpoint: /repayments/simulatepay

Description: Simulate an EMI payment.

Query Parameters: repaymentId, method

Response Example:  
200 OK - Includes transaction ID

## Pay Single EMI

Method: POST

Endpoint: /repayments/pay/{repaymentId}

Description: Pays one EMI manually.

## Get EMIs for Loan

Method: GET

Endpoint: /repayments/loan/{applicationId}

Description: Returns all EMIs for the given loan.

## Get All Repayments for User

Method: GET

Endpoint: /repayments/user/{userId}

Description: Returns all repayments made by the user.

## Get User Notifications

Method: GET

Endpoint: /notifications/user/{userId}

Description: Fetch all notifications for a user.

## Mark Notification as Read

Method: PUT

Endpoint: /notifications/{notificationId}/read

Description: Marks a notification as read.