

Technical Assignment

Project Overview

Develop a small Loan Management System using Laravel for the backend and React (Next.js) for the frontend. Here are the details.

Backend

- Authentication & Authorization
- Loan Application Module
 - Applicants can submit loan applications
 - Applicants can view their own loan status
 - Loan fields: amount, tenure (months), purpose
 - Loan status lifecycle: PENDING, APPROVED, REJECTED
 - Admin can approve or reject loan applications
- Caching Mechanism
 - Implement caching for frequently accessed APIs

Frontend

- Authentication
- Applicant Features
 - Loan application form
 - View submitted loan applications and status
- Admin Features
 - View all loan applications
 - Approve or reject loans

Database

- PostgreSQL

Submission Requirements

- Secure authentication & authorization by handling large data handling.
- Ensure best practice.
- Source code in a GitHub repository
- README file including setup instructions and technical decisions
- Database migrations and seeders
- Test cases
- API documentation (Postman collection or Swagger)
- Any assumptions or limitations should be clearly documented
- Dockerization will be considered a plus