

Cumra Application

Project Documentation & UML Overview

Project Title

Cumra Task - Role-Based Full Stack Application

Tech Stack

- Frontend: React.js (with Context API, Bootstrap)
- Backend: Spring Boot (Spring Security, JWT Auth)
- Database: MySQL
- Architecture: REST API, Three-Tier Architecture

Objective

Build a secure, role-based application where users can submit data, and admins can manage users and submissions.

Cumra Application

Project Documentation & UML Overview

Roles and Permissions

Admin:

- Login
- View all users
- View, edit, delete all submissions
- Promote/Demote users
- Delete users

User:

- Sign up & login
- Submit, edit, delete own submissions
- View own dashboard and history

Core Functionalities

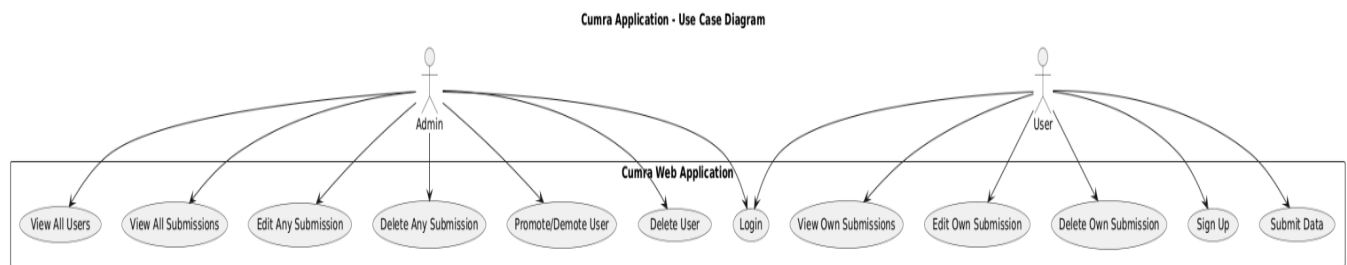
- JWT-based authentication
- Role-based route protection
- CRUD operations for submissions
- Admin dashboard with user controls

Cumra Application

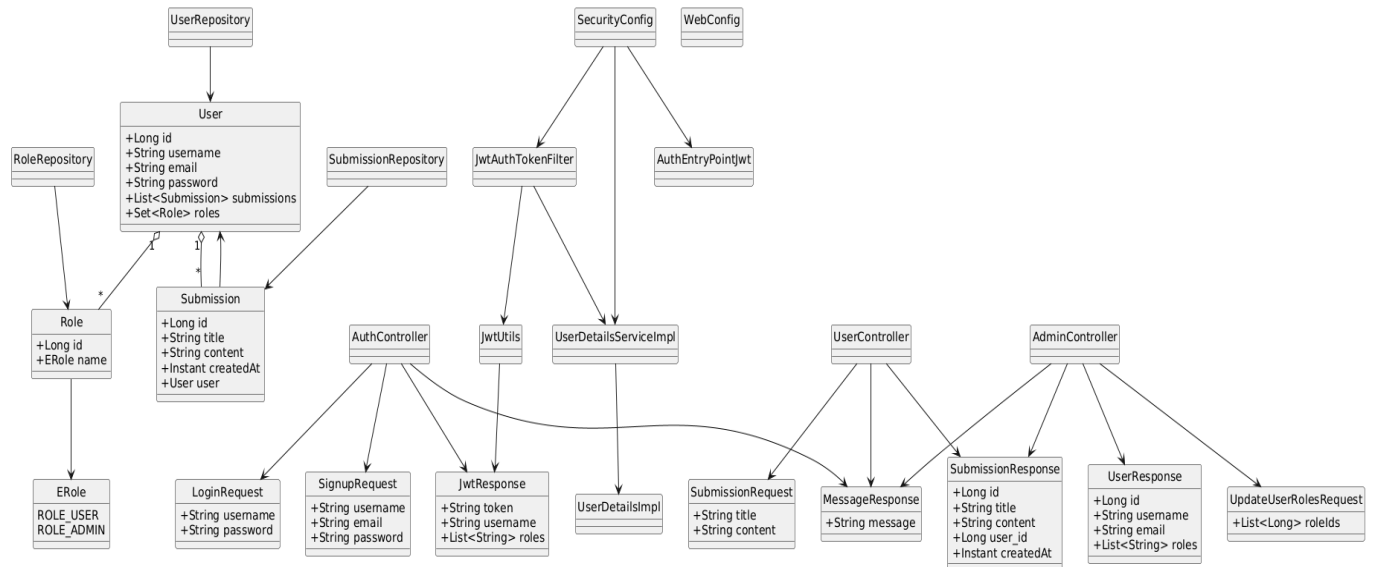
Project Documentation & UML Overview

UML Diagrams

1. Use Case Diagram



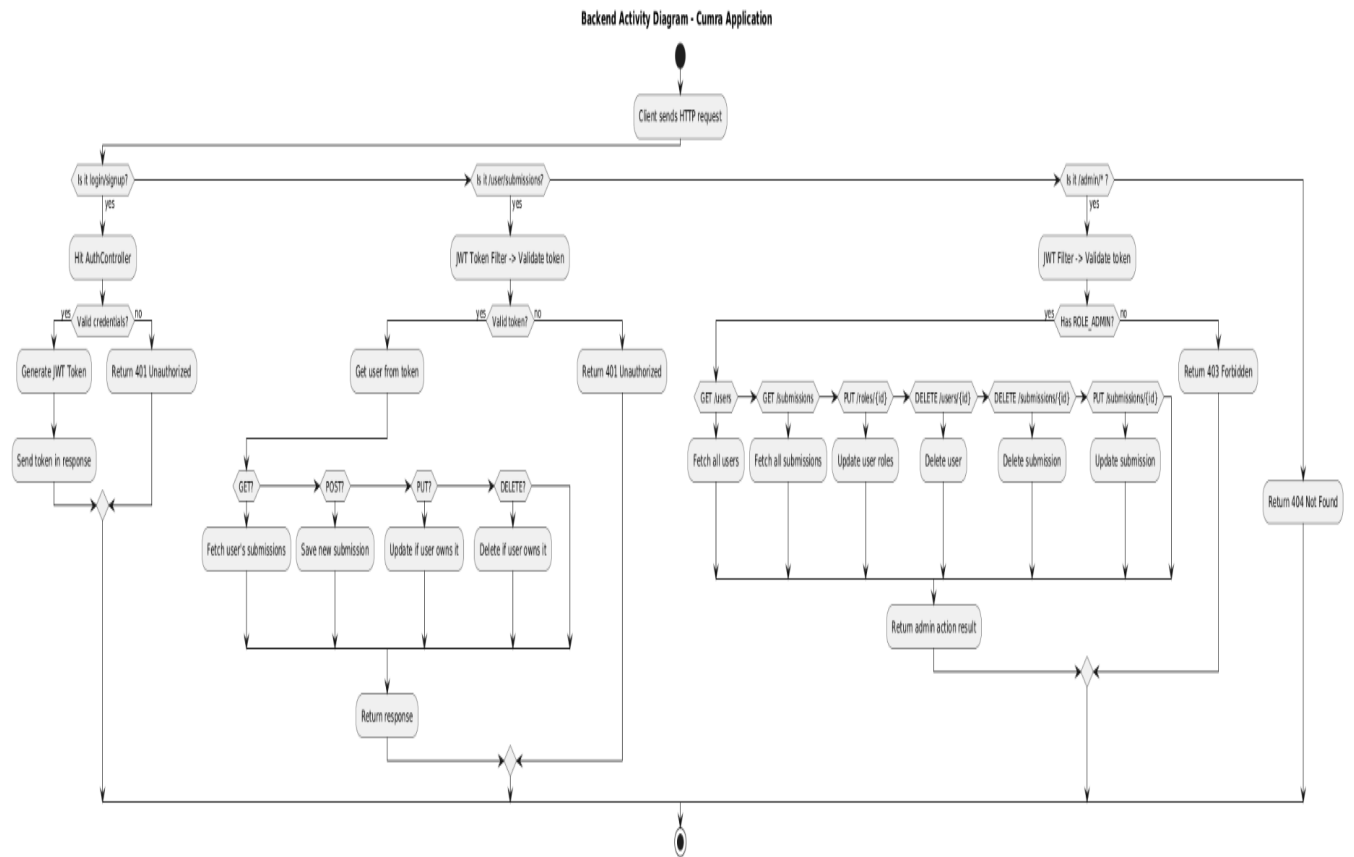
2. Class Diagram



Cumra Application

Project Documentation & UML Overview

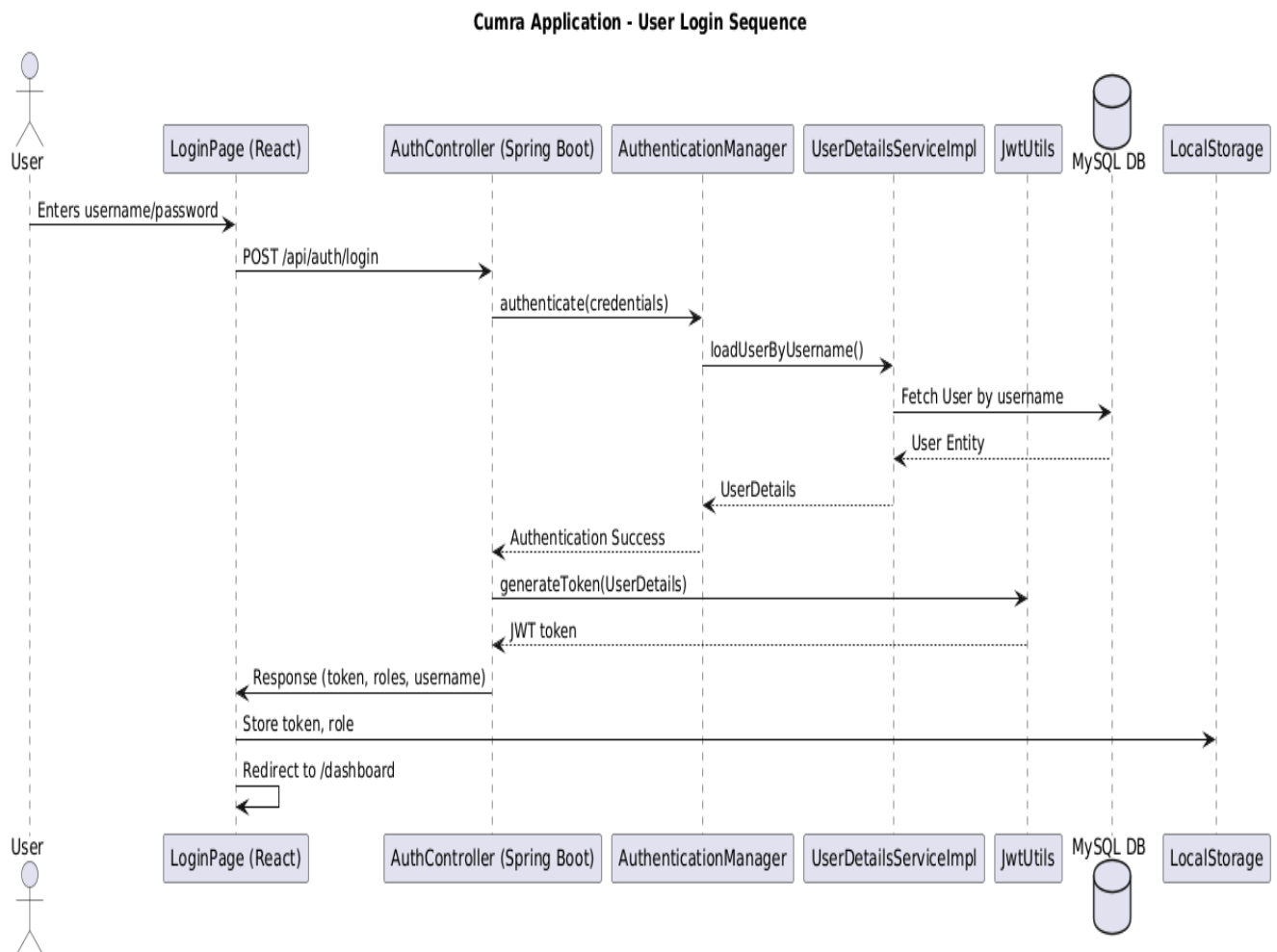
3. Activity Diagram (Backend Flow)



Cumra Application

Project Documentation & UML Overview

4. Sequence Diagram (Login Flow)



Cumra Application

Project Documentation & UML Overview

5. Component Diagram (Frontend)

