System Design

The application implements the MVC architecture, ensuring a clear separation of concerns.

Model: Represents data and business logic.

View: Defines the presentation layer.

Controller: Manages requests and coordinates between the model and view.

Key Classes and Methods

Repositories:

BaseRepository

UserRepository

BillRepository

VoteRepository

AmendmentRepository

NotificationRepository

Controllers:

UserController

BillController

ReportController

VoteController

AmendmentController

NotificationController

Data Storage Approach

The application uses a MySQL database to store all data. Repository classes are implemented to handle CRUD operations, following the repository pattern to abstract data access logic.

How to Run

Clone the project to local machine, in the terminal switch directory to the project. Run command: podman-compose up –build, podman-compose start

Then use http://localhost:8080/ to run the application.