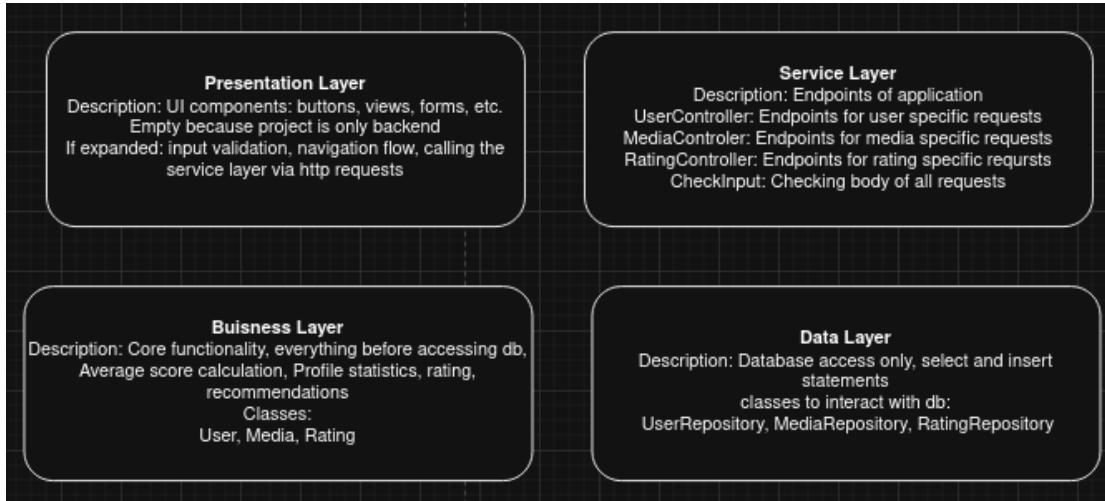
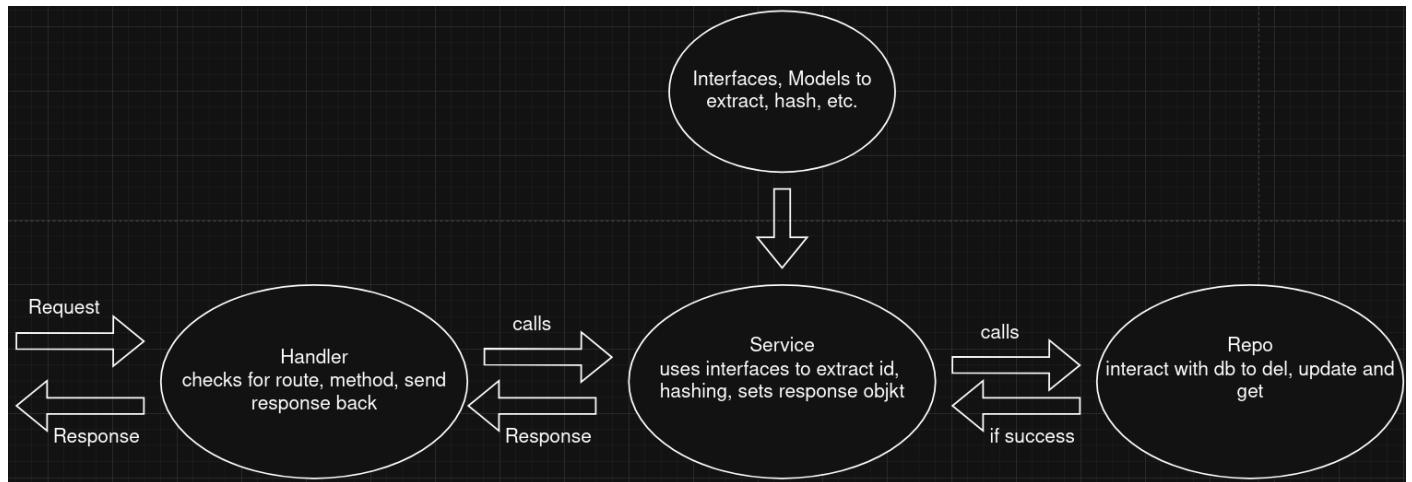


Media Ratings Platform (MRP) – Protocol

GitHub Link: https://github.com/moggedkk/Media_Ratings_Platform
Layers



Workflow



App Design Overview

The application follows a **layered architecture** separating HTTP handling, business logic, and database access:

1. HTTP Handlers

- Receive incoming requests, check the path and method, and route them to the appropriate service.
- Return a standardized Response object to the client via ResponseSender.

2. Service Layer

- Contains business logic: validation, hashing, data conversion, and constructing response objects.
- Calls repository methods to interact with the database.

3. Repository Layer

- Handles all database operations for User, Media..etc

- Performs CRUD operations, joins, and transactions, returning domain models to the service.

Flow Summary: Request → Handler → Service → Repository → Service → Handler → Client.

Class diagrams → Separate pdf file in folder

Endpoints which already work → postman collection in folder

POST - Register User

POST - Login User

POST - Create Media Entry

DEL - Delete Media Entry

PUT - Update Media Entry

GET - Get Media by ID

Packages: pom.xml

postgresql – for interacting with db

lombok – for creating getter/setter

password4j - for hashing

jackson-databind - for json serialisation/deserialization

Database schema – Current

