THE MOVIE APP "PRASAARAN"

Presented By:

➢ Samarth Lavhate
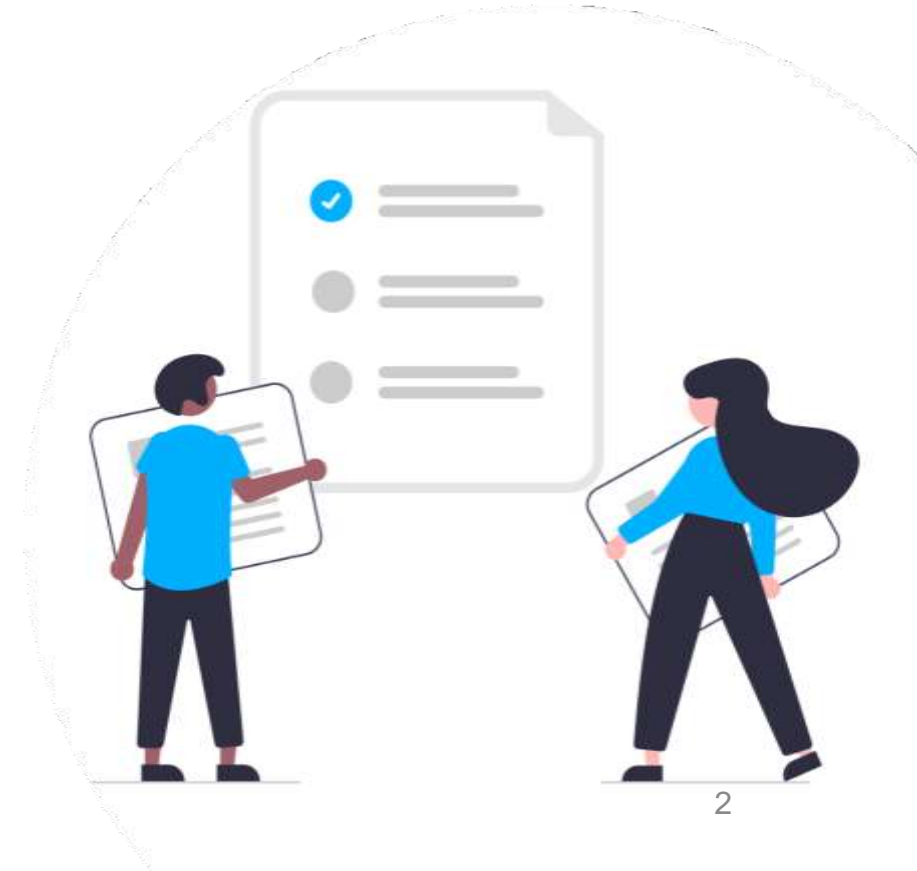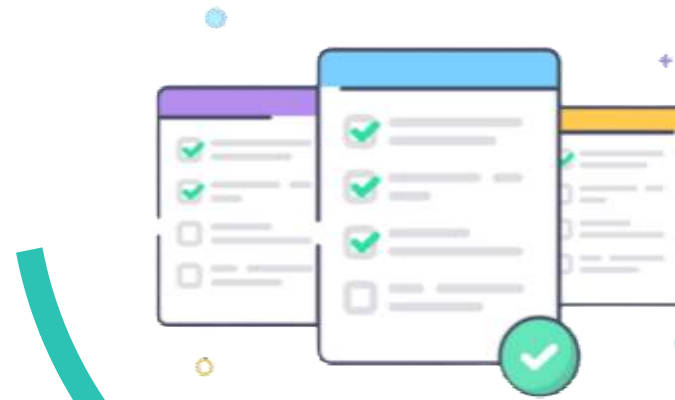
➢ Anmol Kaithwas

➢ K Kirankumar

Mentor:

➢ Mrs. Anjali Singhal

About The Movie App

- Explores Thousand Of Movies.

- Search Movies By Movie Name And Genres.

- New User Can Register And Login To The Application And Explore The Full Application.

- Registered User Of This App can Get Full Details Of the Movie.

- Registered User Can Add Or Remove Movies From Favourite Movies.

Features of our Project

1

User can register and login to the application.

2

Get recommendations from the moviedb api.

3

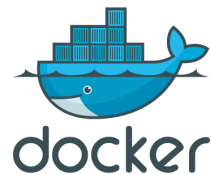Registered users can have the access to full details of the movie.

4

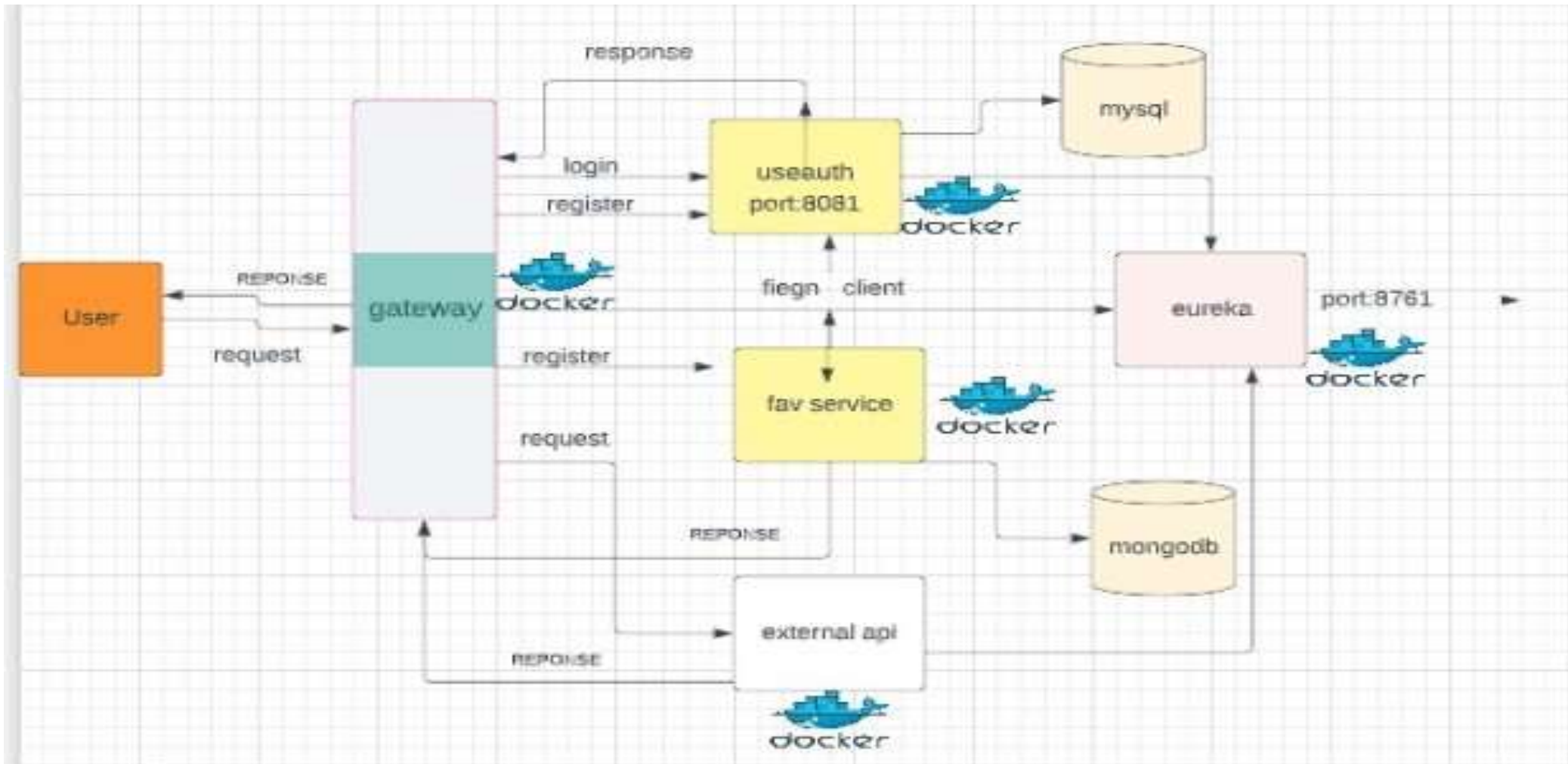Registered user can add or remove movies from the Favourite movies section.

5

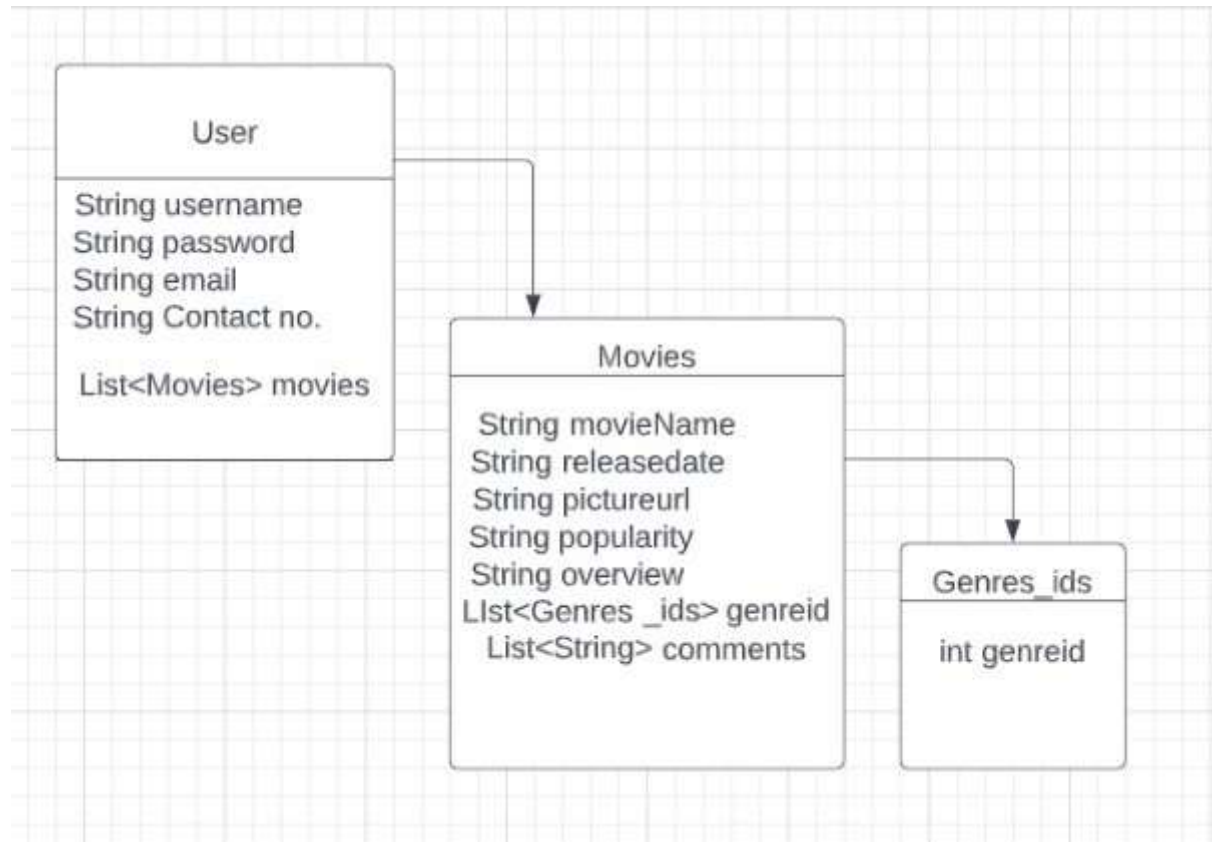Registered user after adding the movie to the favourites can give feedback of the movie.

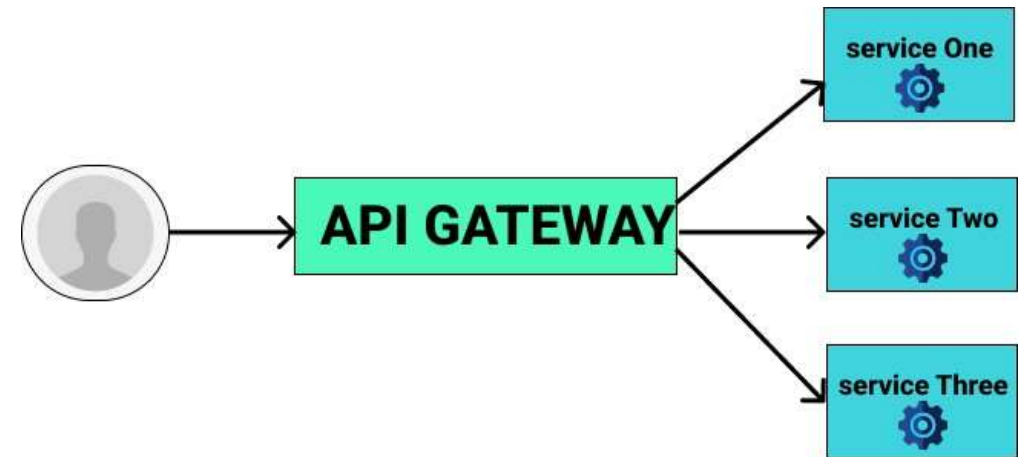# Technologies used

Architecture Diagram

Class Diagram

Features that we have implemented at Backend

- API Gateway Service
- Eureka server
- JWT for Authentication
- Feign Client
- Docker

API Gateway Service

- The API Gateway offers a reverse proxy to redirect or route requests to the endpoints of the internal microservices. We have used Spring Cloud's API Gateway Service.

- It makes it possible for the user to access microservices without knowing their actual location .

- It is a tool that sits between a client and a collection of backend services.

Eureka Server

- Eureka Server is an application that holds the information about all client service applications.

- Eureka Server continuously sends heartbeat to each of its client-service application and checks whether they are up and working .

- Eureka server is also known as Discovery Server and helps in load balancing and failure handling.

JSON Web Token for Authentication

- It is a standard for token-based authentication.

- It uses the HMAC SHA-256 signing algorithm .

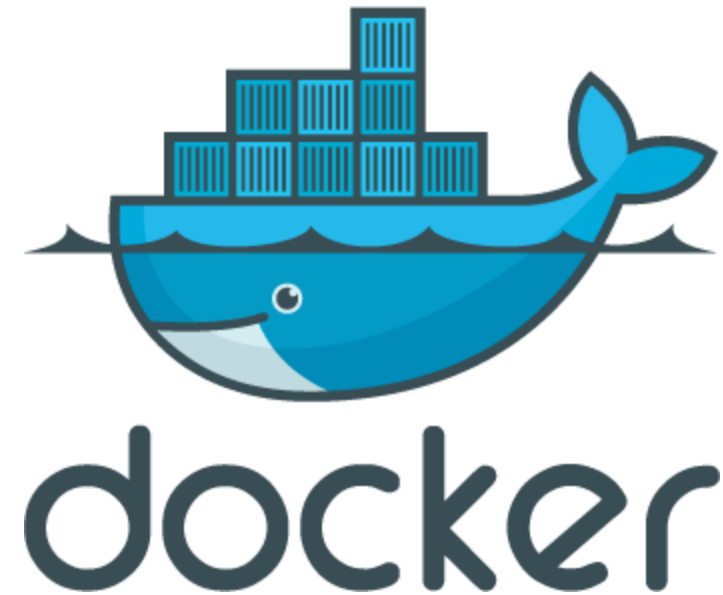- We have implemented JWT for authentication of user in our project.

Feign Client

- Synchronous communication between microservices is possible by using Feign Client.

- In this approach the calling service will wait until the caller service responds.

- In Synchronous communication , a chain of requests is created between the microservices while serving the client request.

Docker

- Docker is a container technology to build, ship and run any app at any operating system or platform.

- When a docker image runs , it becomes a container , which can be created , started , stopped and deleted.

- It is cost effective and helps in fast deployment.

Technologies used in Frontend

- Angular
- HTML & CSS
- Material Design Bootstrap(MDB)

Angular

- Angular is an open-source, JavaScript framework written in TypeScript.

- Its primary purpose is to develop single-page applications.

- Angular is cross-platform and compatible with multiple browsers.

Material Design Bootstrap(MDB)

- Material Design Bootstrap (mdbootstrap.com) provides a set of slick, responsive page templates, layouts, components and widgets to rapidly build web pages.

- It is a Open Source UI Kit & Templates built using material design, Bootstrap and Angular.

Database used

- MySQL
- MongoDB

MySQL

MySQL is an open-source Relational Database Management System (RDBMS).

- It is one of the most popular open source RDBMS

- It is developed, distributed, and supported by Oracle Corporation.

- It runs on a server

MongoDB

- MongoDB is an object-oriented, simple, dynamic, and scalable NoSQL database.

- Schema less − MongoDB is a document database in which one collection holds different documents.

- Number of fields, content and size of the document can differ from one document to another.
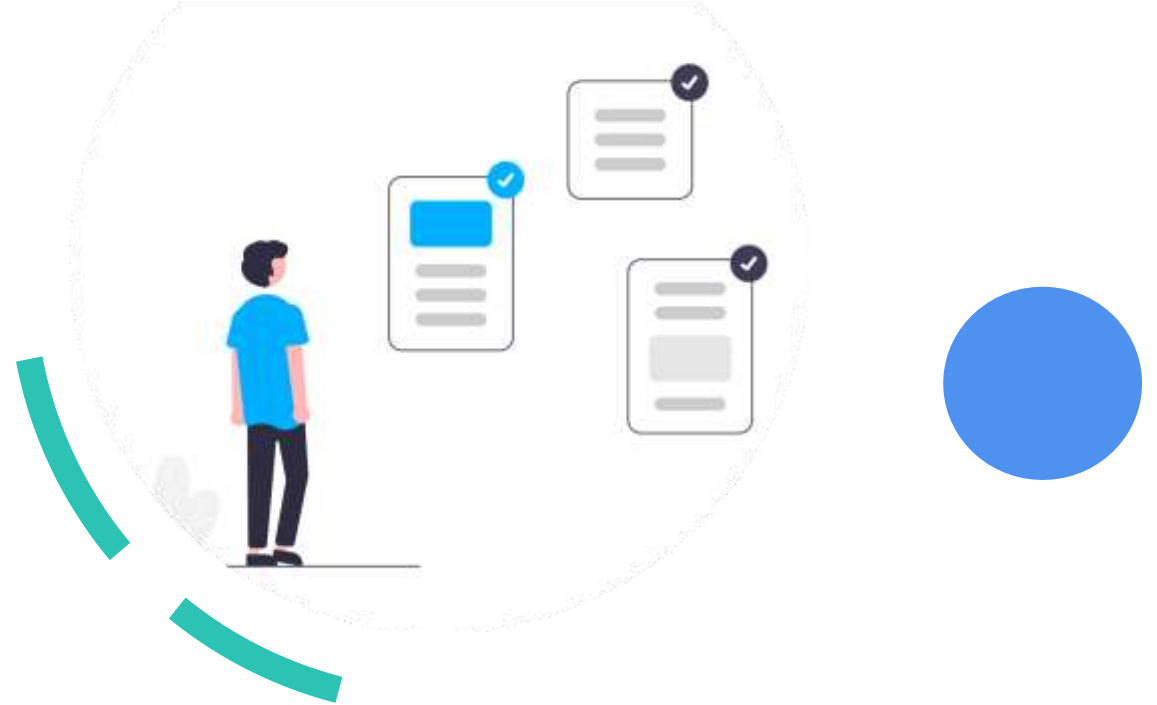
Project Walkthrough

The Movie App

Recommendation For Movies

Further improvements

Since we have created this product in 12 days for our initial release, in our later versions , we will incorporate the following enhancements:

- Make the UI more enriched.

- Forgot password features.

- And many more based on feedback.

Thank you

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