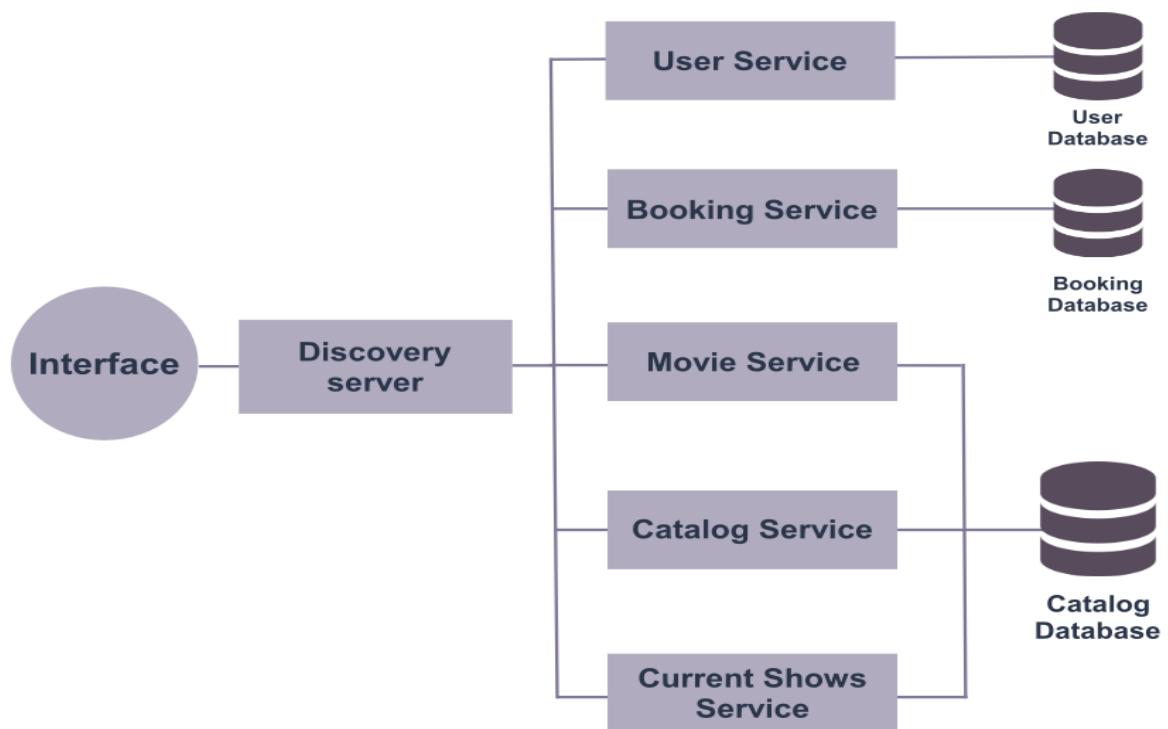**Project topic** – cinema timetable with ticket booking.

Applied technologies – Spring, Eureka Discovery, Ribbon, MySQL.

Purpose – user can view the list of current movies in cinema and make a booking for a certain time.

Microservices –User, Movie, Catalog, CurrentShows, Booking.

1. **User service** – contains personal data on registered users. Stores information such as username, email address, contact details. **(Port – 8081)**

localhost:8081/user/register – POST mapping for adding new users

2. **Movie service** – contains basic synopsis on the film. Provides information like movie title, poster, director, genre, description. **(Port – 8082)**

http://localhost:8082/movie/addMovie – POST mapping for adding new movie

3. **Booking service** – lets users choose a movie from the timetable and book tickets. Provides the booking details made by user – user contact details, date, payment and movie information. **(Port – 8083)**

localhost:8083/booking/addBooking - POST mapping for adding new bookings

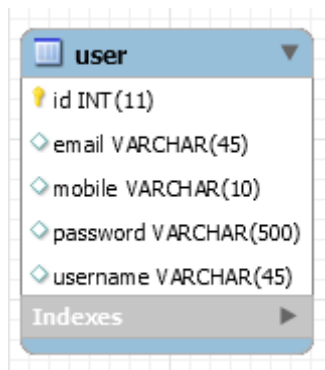4. **Catalog service –** stores all of the movies in archive. (**Port – 8084**)

http://localhost:8084/catalog/movie/get-all-movies – view all movies

5. **Current shows service** – shows a list of movies that are currently available at cinema. (**Port – 8085**)

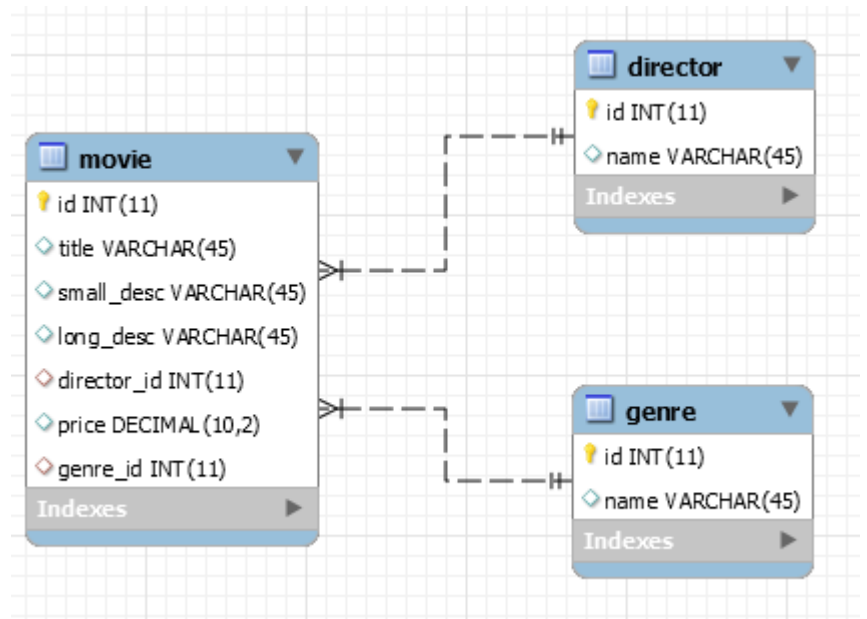*Database information (MySQL Workbench)*

1) **User DB**   2) **Catalog DB**

user
id INT(11)
email VARCHAR(45)
mobile VARCHAR(10)
password VARCHAR(500)
username VARCHAR(45)
Indexes

director
id INT(11)
name VARCHAR(45)
Indexes

movie
id INT(11)
title VARCHAR(45)
small_desc VARCHAR(45)
long_desc VARCHAR(45)
director_id INT(11)
price DECIMAL(10,2)
genre_id INT(11)
Indexes

genre
id INT(11)
name VARCHAR(45)
Indexes

3) **Booking DB**

booking
id INT(11)
user_id INT(11)
order_date DATETIME
total_amount DECIMAL(10,2)
Indexes