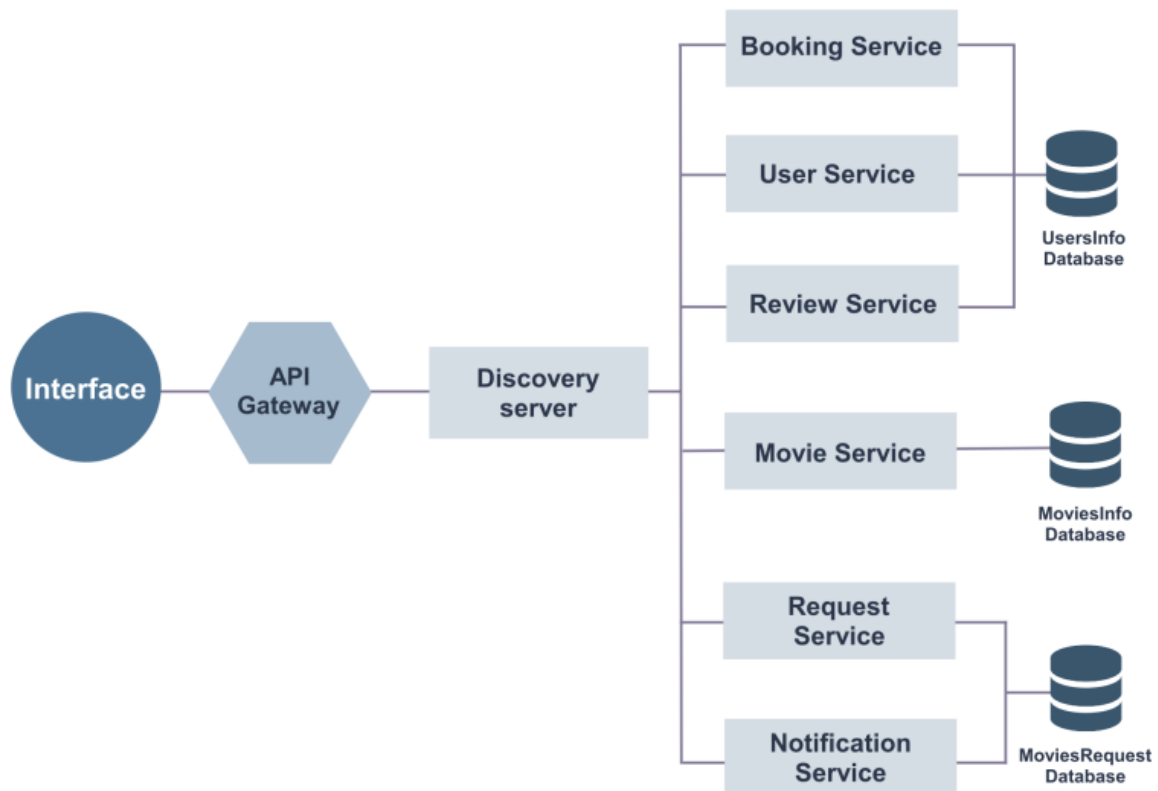**Project topic** – cinema system with ticket booking and reviews.

Applied technologies – Spring, Eureka Discovery, Hystrix, Zuul (Gateway), Kafka, MySQL.

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

Microservices –User, Movie, Review and Booking that are accessed through API gateway and Request and Notification services to demonstrate Kafka.
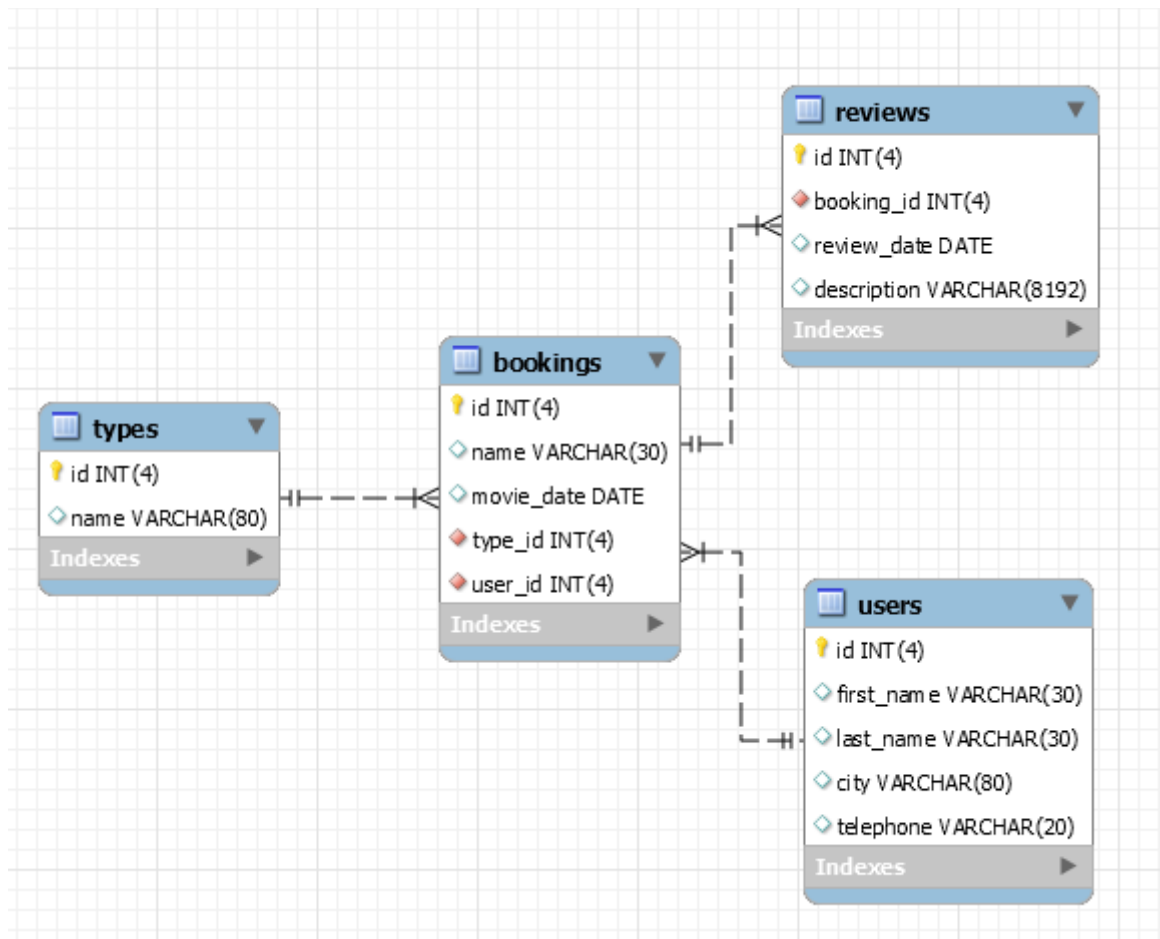

1. **Discovery server** – enables and monitors all microservices. (localhost:8761)

2. **API Gateway** – proxy server that connects user interface with all of the services.(localhost:8081 – Home page)

3. **User service** – contains personal data on registered users. Stores information such as full name, contact details. Also manages users' personal bookings.(localhost:8082)

4. **Movie service** – manages the list of movies and contains basic synopsis on the films. (localhost:8083)

5. **Review service** – lets users write reviews on the movies they have booked. (localhost:8084)

6. **Booking service** – add new bookings (localhost:8085)

7. **Request service –** used to send a message when user requests a movie as Kafka producer. (localhost:8090)

8. **Notification service** – used to receive a message when user requests a movie as Kafka consumer. (localhost:9000)

Database information (MySQL Workbench)

UserInfo DB

MoviesInfo DB