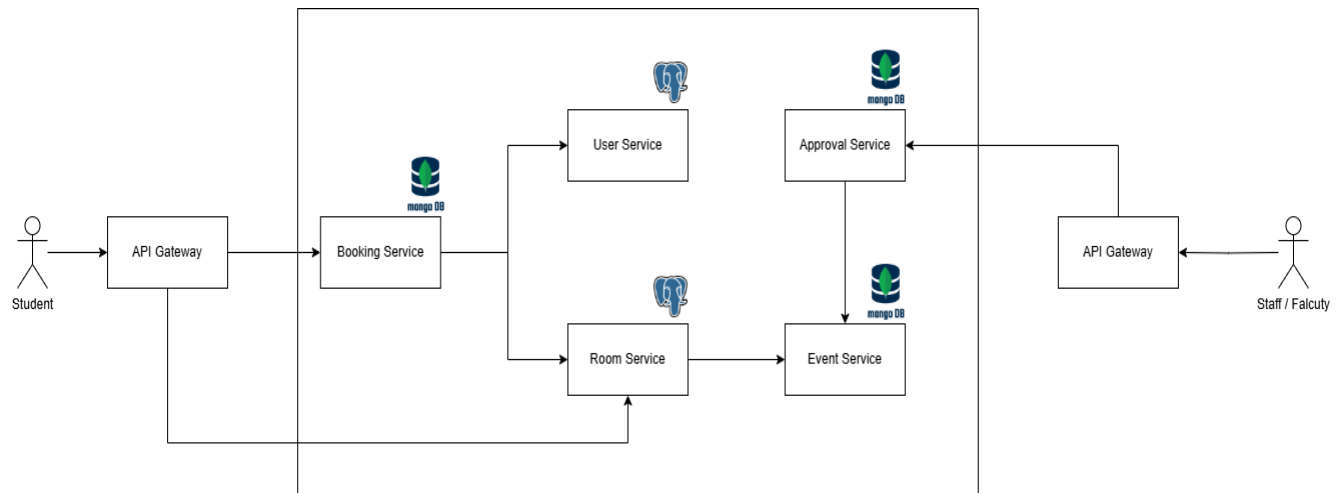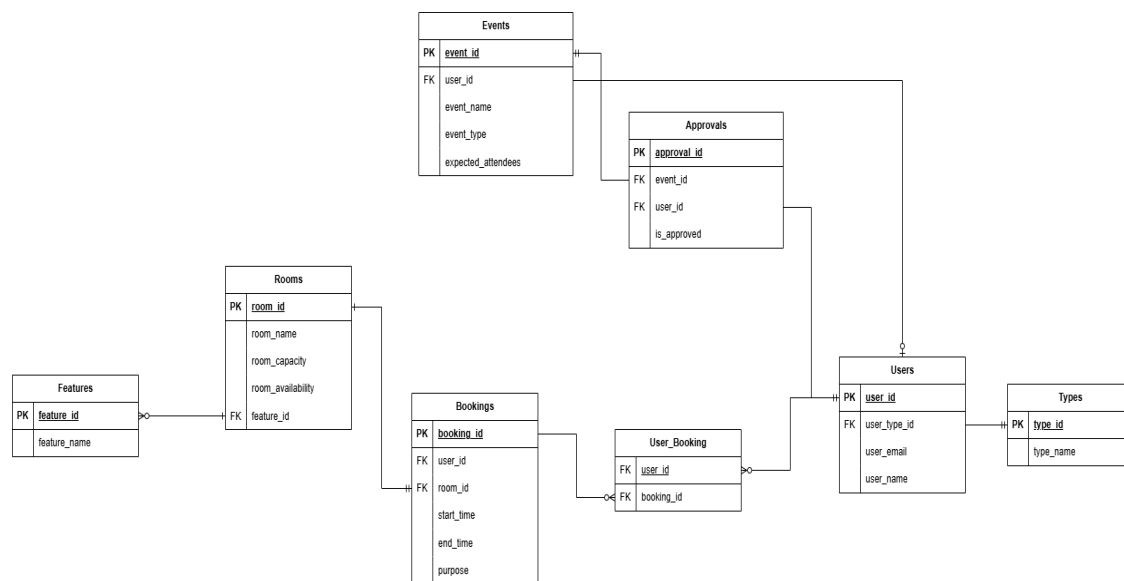# COMP3095 – Assignment 1 – Report

Architecture

Architecture of Microservice Diagram

Entity Relationship Diagram

Challenge

1. Overthinking about the assignment requirement
   a. The day we received the assignment and did our own research, we thought that we must implement the completed microservice with API Gateway, Discovery Service, using Eureka,… but it turned out we don't have to make it too complicated
2. Inter-communication
   a. When we were doing our own research, we found the WebClient to make the inter-communication between services, and then in the last minute, we got the information that we are going to use FeignClient. It was a little bit freak out for us but now we know there are many way to approach the problem
3. One member must leave the country for 3 weeks
   a. Due to the wedding, one member in our group have to leave the country and led us into the situation that we have to communication in different time zone (12 hours gap between both countries) It was tough and hard for us to maintain the good communication we did

Lesson Learned

1. Communication is the key
   a. The obstacle with the distance was a big challenge but also is the chance for us to learn how to work remotely
   b. Because we working independently in each services and also need to have inter-communication, so the communication between each member is become a key role more than ever
2. Confirmation, confirmation and confirmation
   a. By the time we received the requirement and do our own research, we learned that we should talk with our Professor to make sure what we think it match with the expecations from Professor