OOADJ Project Report

Topic: AirBnB

Team Members:

PES1UG20CS008 – Abhinav Gunti PES1UG20CS010 – Abhishek Patil PES1UG20CS014 – Adithya R Narayan PES1UG20CS040 – Anant Gulati

Synopsis:

This is a property booking application, where the user can list his properties and book other properties. It provides a variety of services like property management and search filtering based on user needs. It also allows for proper management of user and host profiles and provides a mechanism for feedback and review system. The user must create account and verify his email before they start using the application. The backend is exposed as an API to the frontend.

Tech Stack:

- Backend Java (SpringBoot)
- Frontend Python(Streamlit)
- Database MySQL
- API testing Postman

Design Patterns Used:

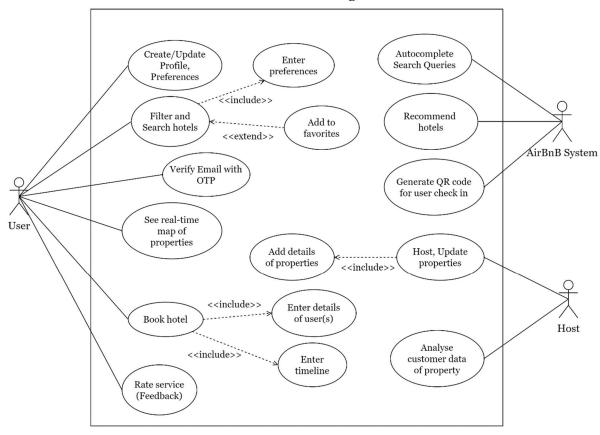
- Builder pattern
- Adapter pattern
- Façade Pattern
- Bridge Pattern

Design Principles Used:

- Single Responsibility Principle
- DRY
- Open/Closed Principle

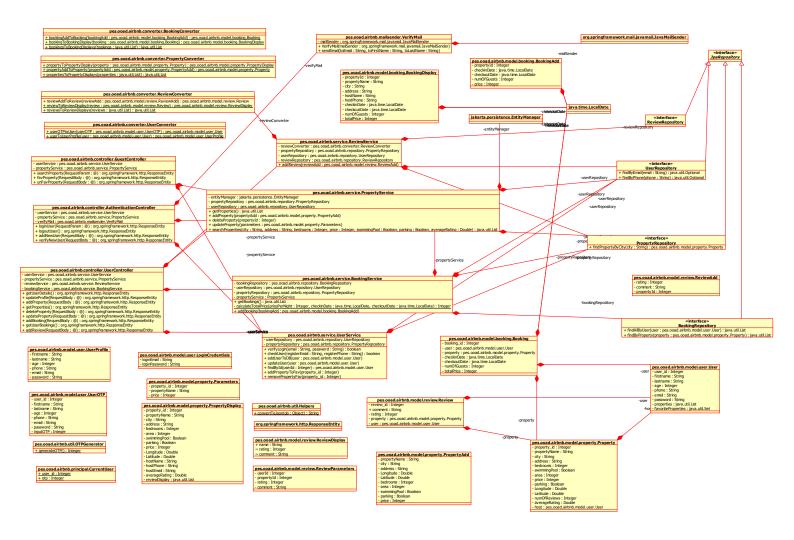
Use Case Diagram:

AirBnB Use Case diagram



Class Diagram:

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Frontend Screenshots:

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Frontend Screenshots:

