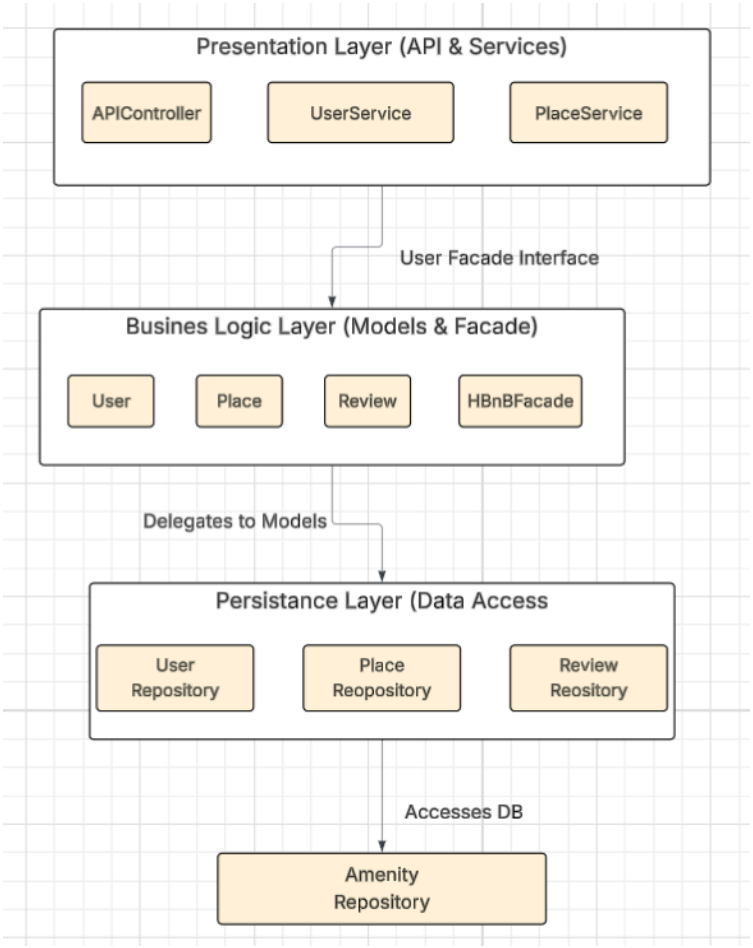
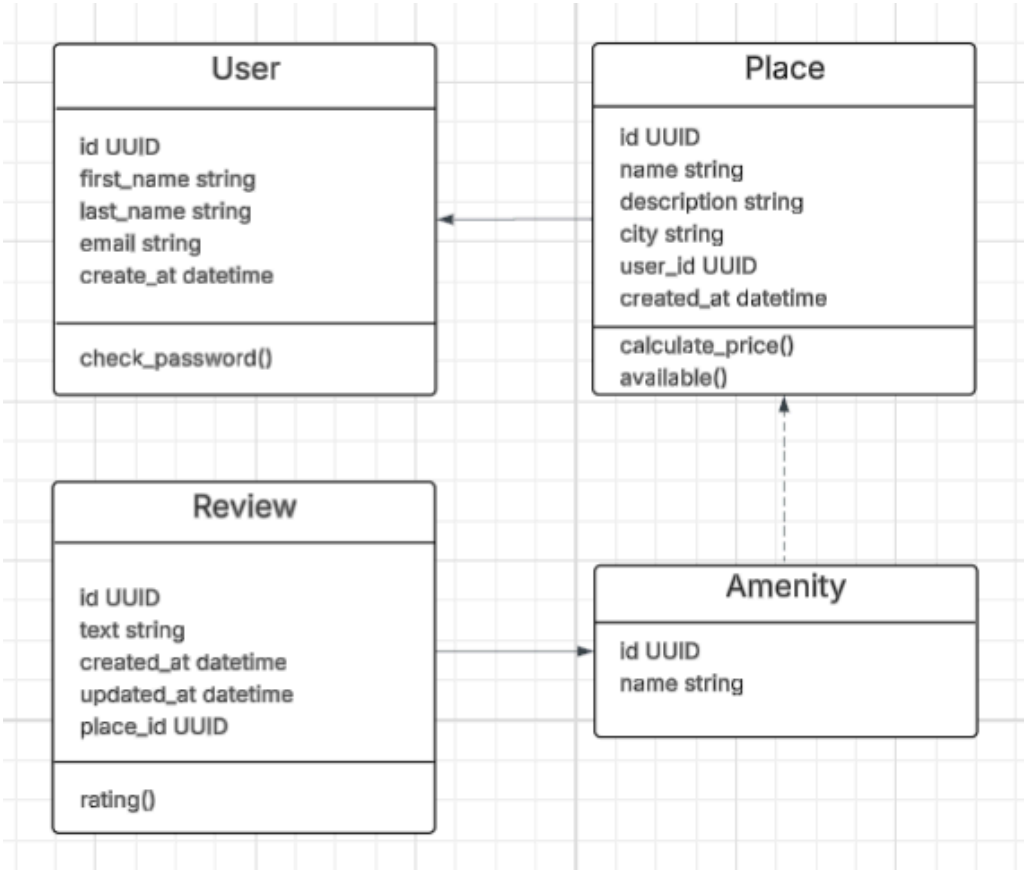
Holberton coding school HBnB project.

In this part of the project is the documentation of the diagrams and a little explanation on each one.

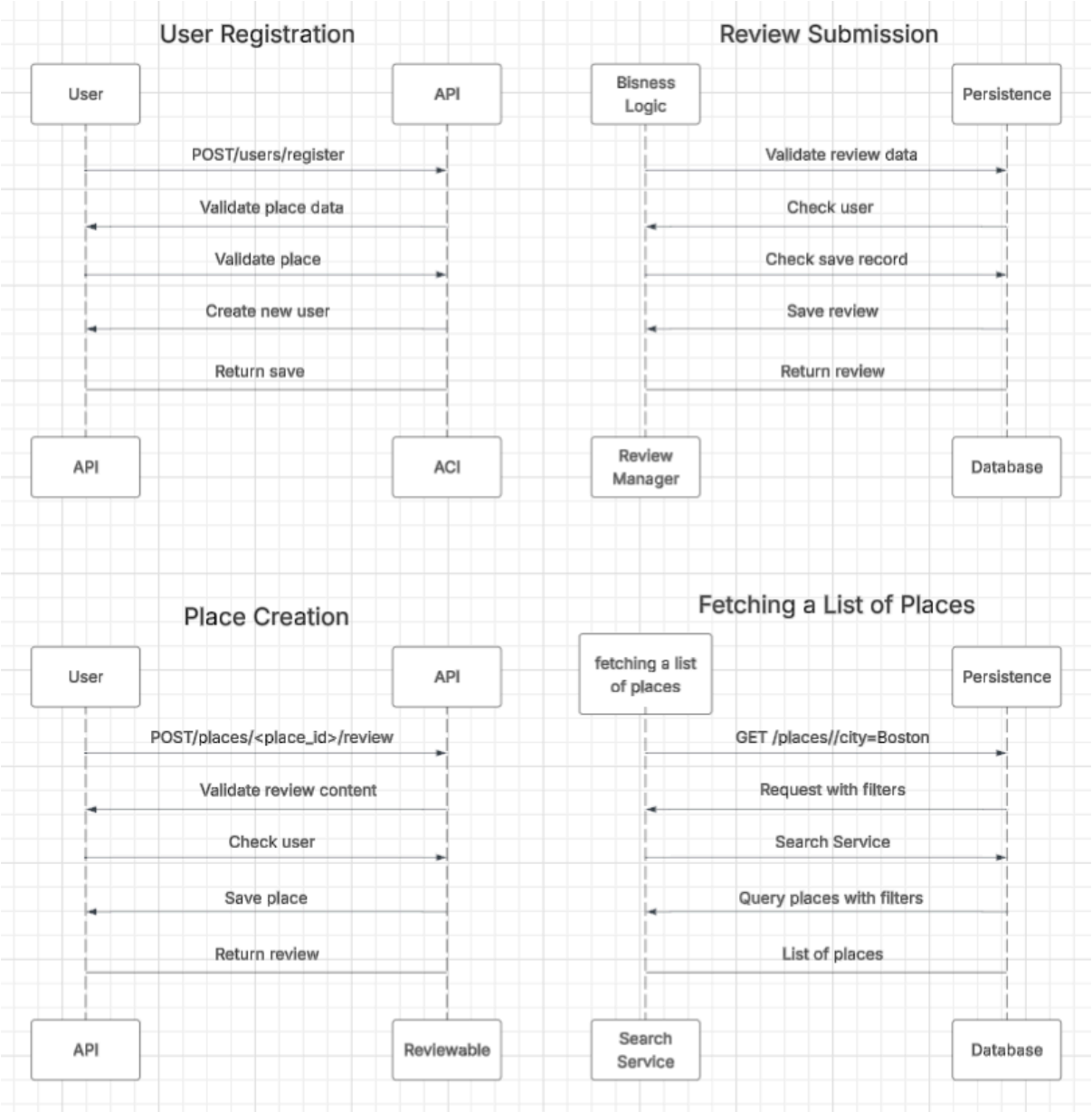
The first diagram is the High-Level Package Diagram



- Presentation Layer: provides RESTful APIs or services for user interaction (booking a place, posting reviews).
- Business Logic Layer: contains data models and operations like booking validation, user authorization, and business rules. HBnBFacade orchestrates the logic and acts as a single entry point for services.
- Persistence Layer: encapsulates database access. Each repository is responsible for interacting with a specific table or entity in the database.



This class diagram models a simplified system for a rental platform similar to Airbnb, involving users, places, amenities, and reviews.



This sequence diagram illustrates how a user registers in the HBnB system. The presentation layer receives user input and delegates validation and creation logic to the business layer. Once validated the persistence layer saves the new user, and the result is propagated back to the client.