

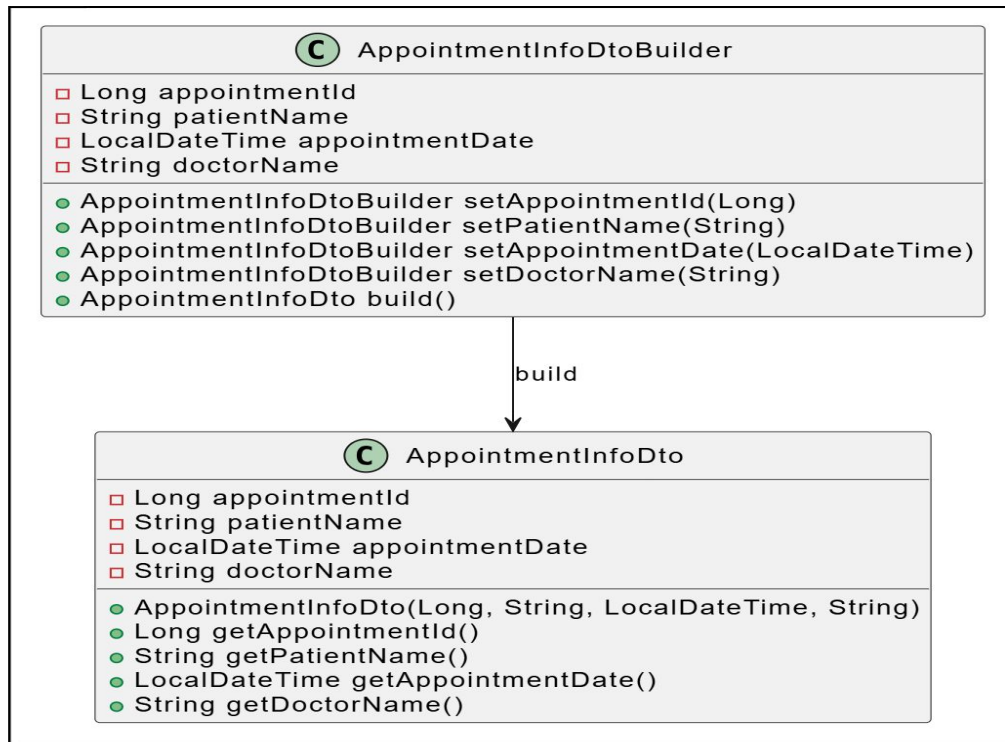
Software Design Pattern

Easy Care

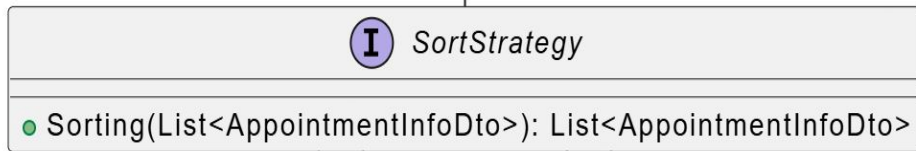
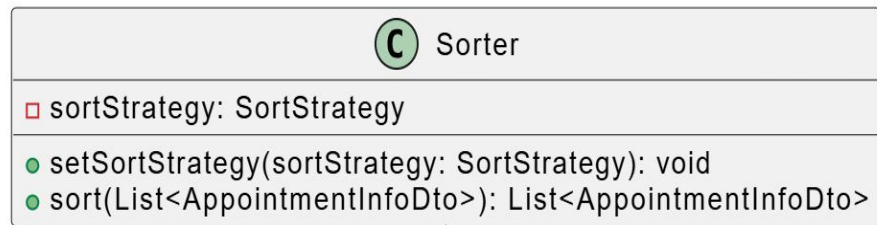
Video link:

<https://youtu.be/mAN4JOzny9c?si=0iX3IEWiPUvs9QgT>

Builder Design Pattern



Strategy Design Pattern



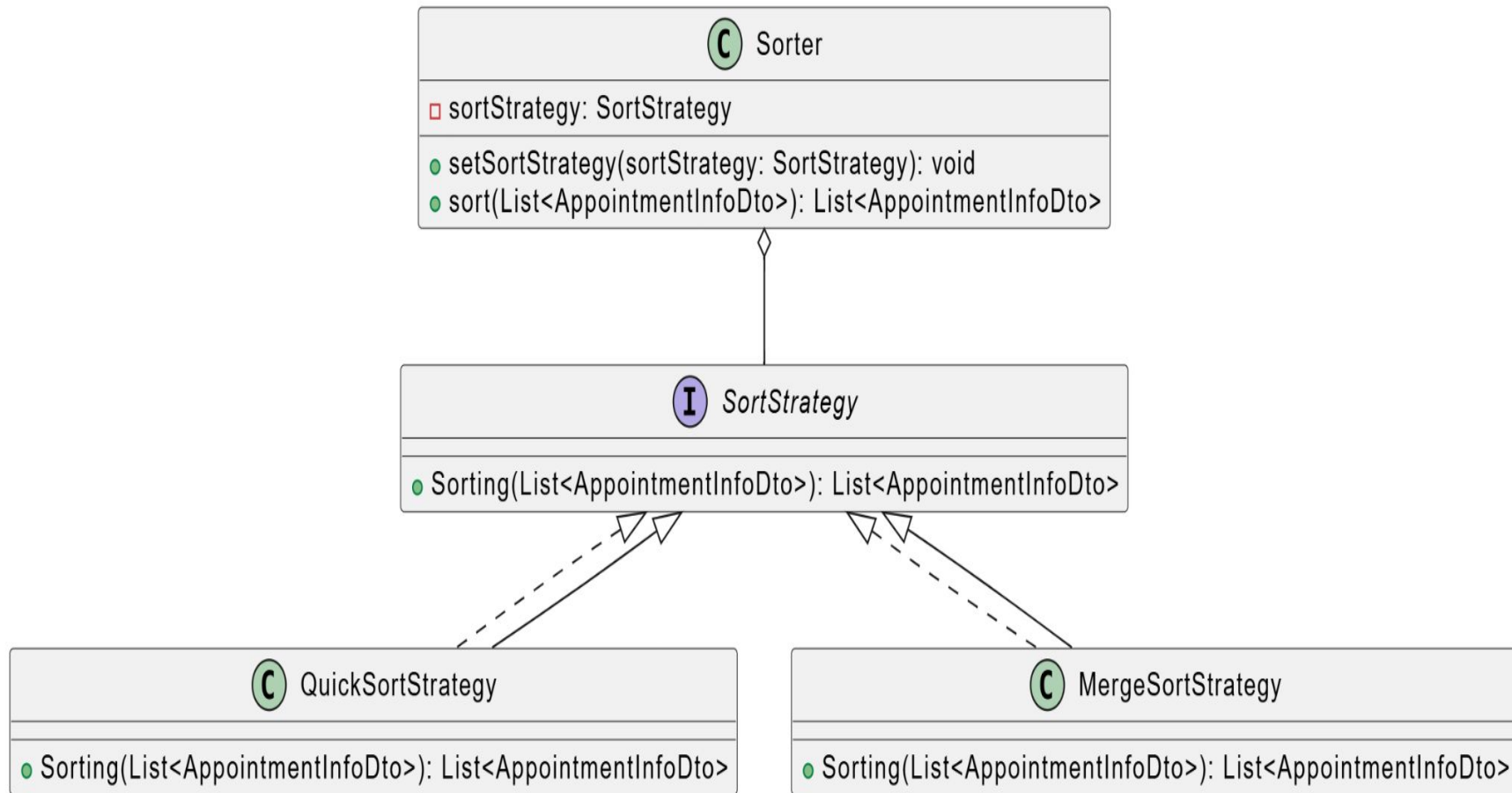
QuickSortStrategy

Sorting(List<AppointmentInfoDto>): List<AppointmentInfoDto>

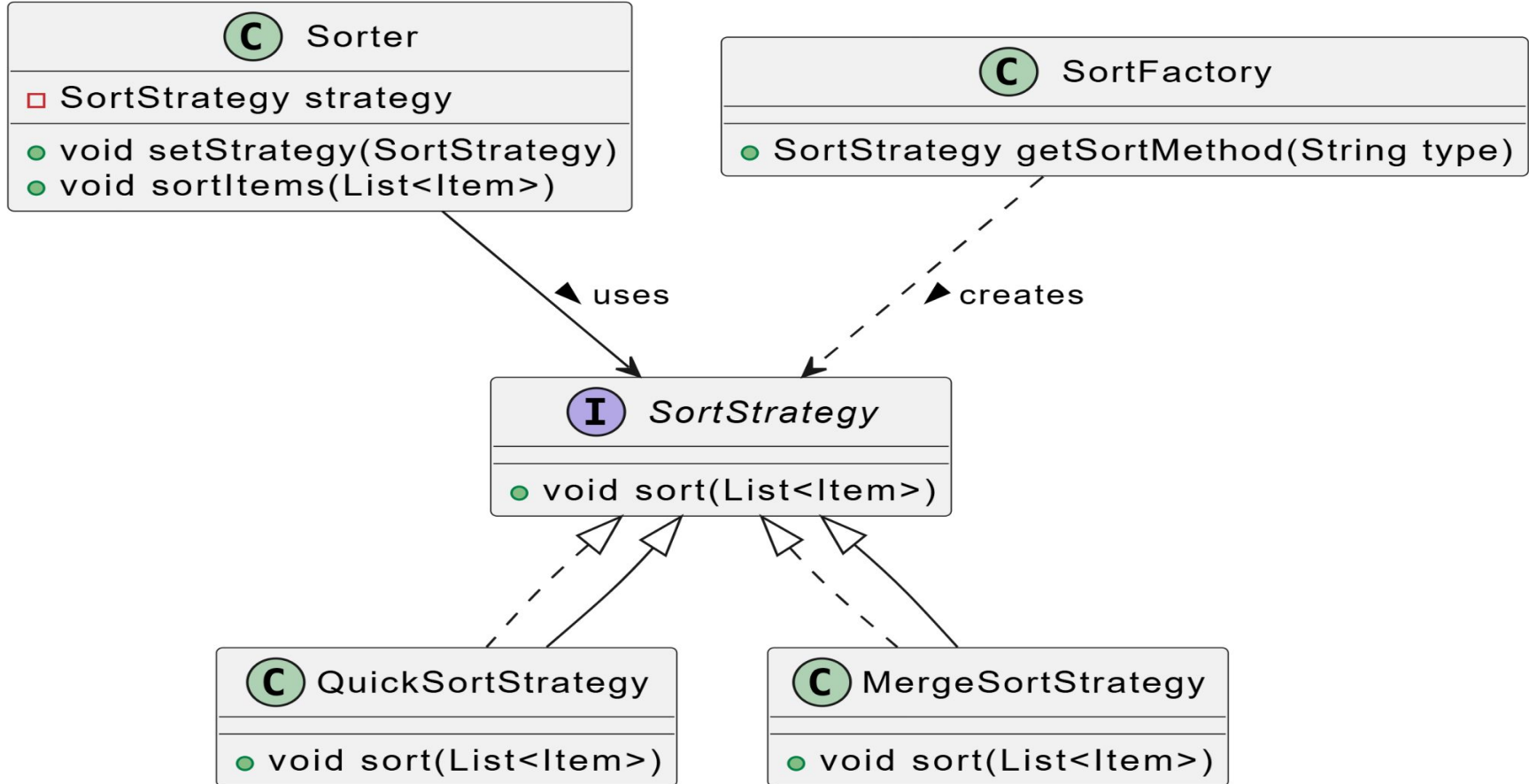
MergeSortStrategy

Sorting(List<AppointmentInfoDto>): List<AppointmentInfoDto>

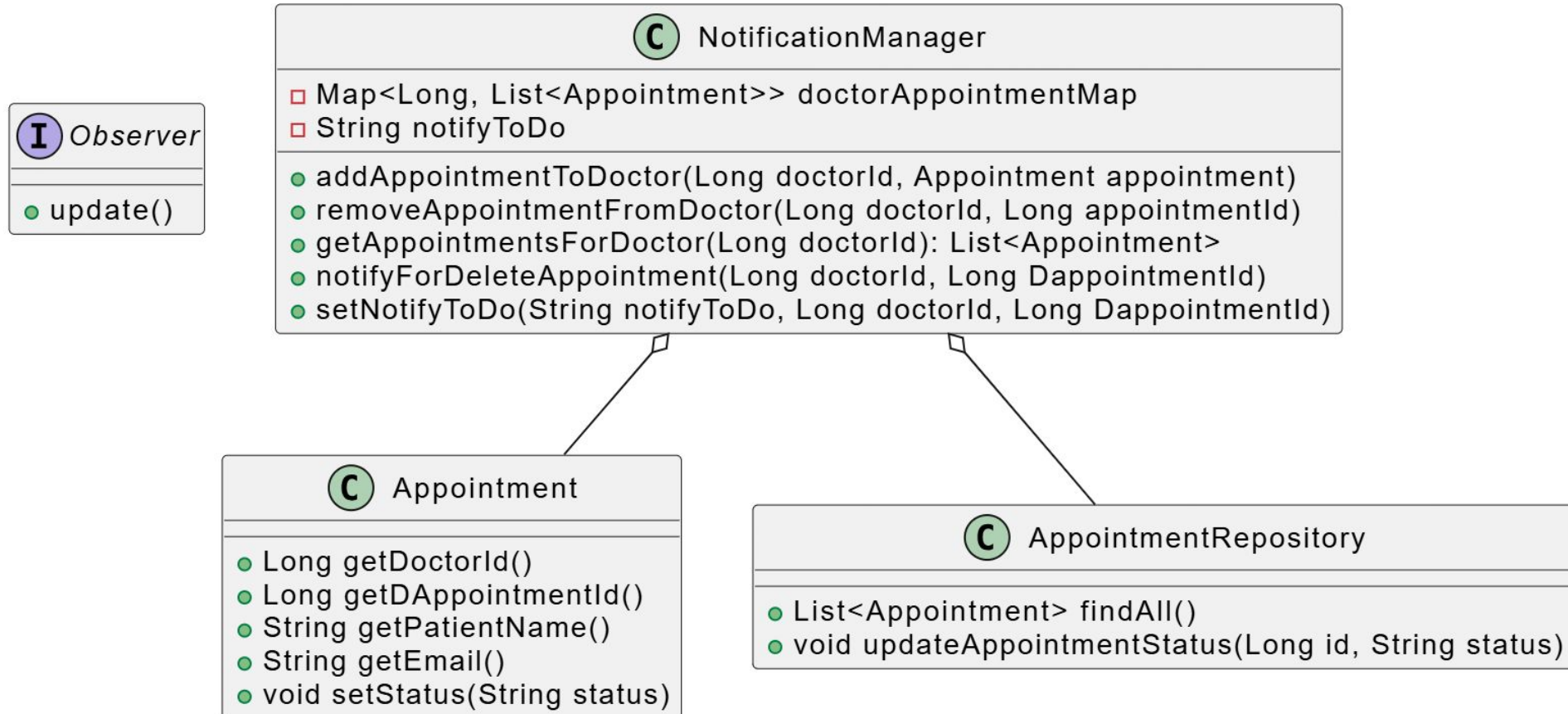
Strategy Design Pattern



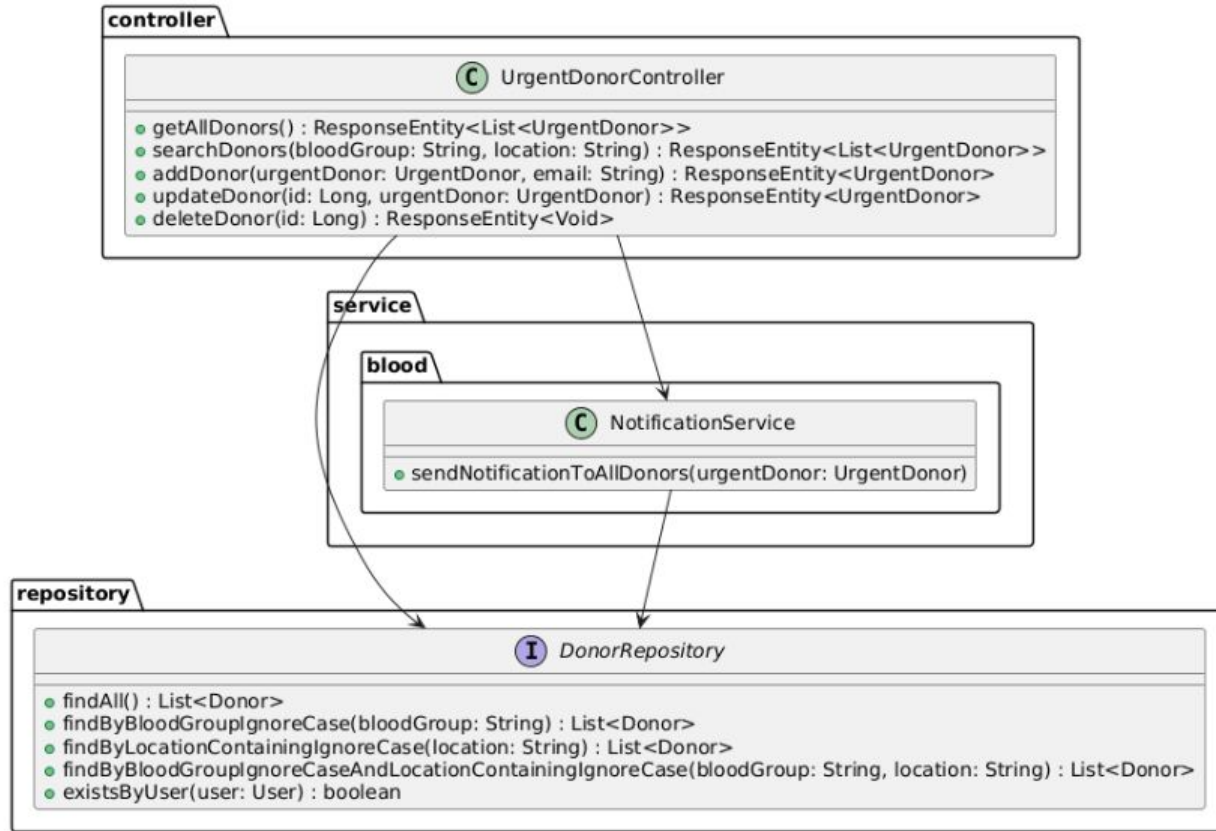
Singleton , Factory Design Pattern

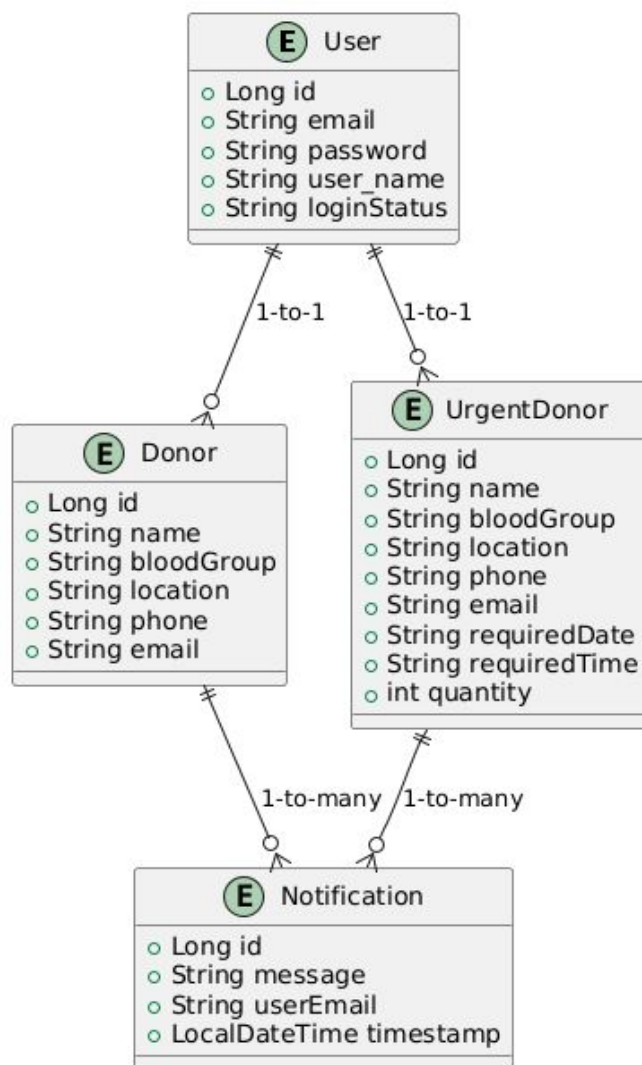


Observer Design Pattern(delete appointment)



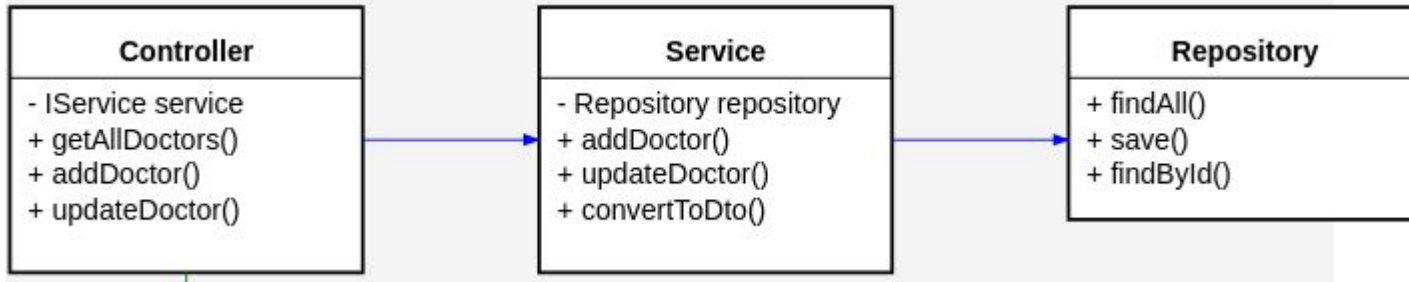
Observer Design Pattern

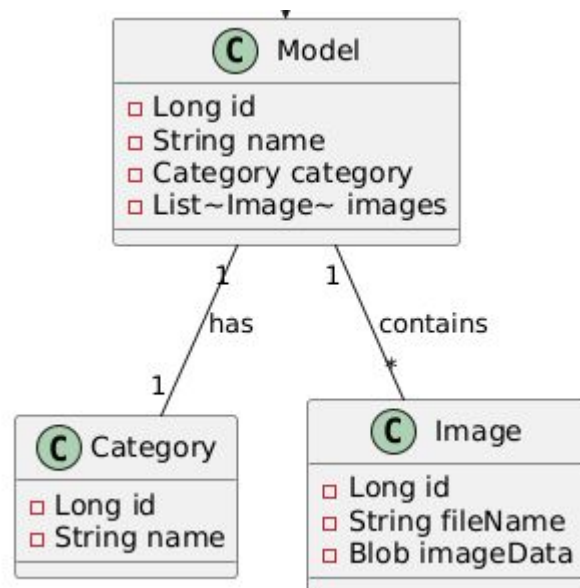
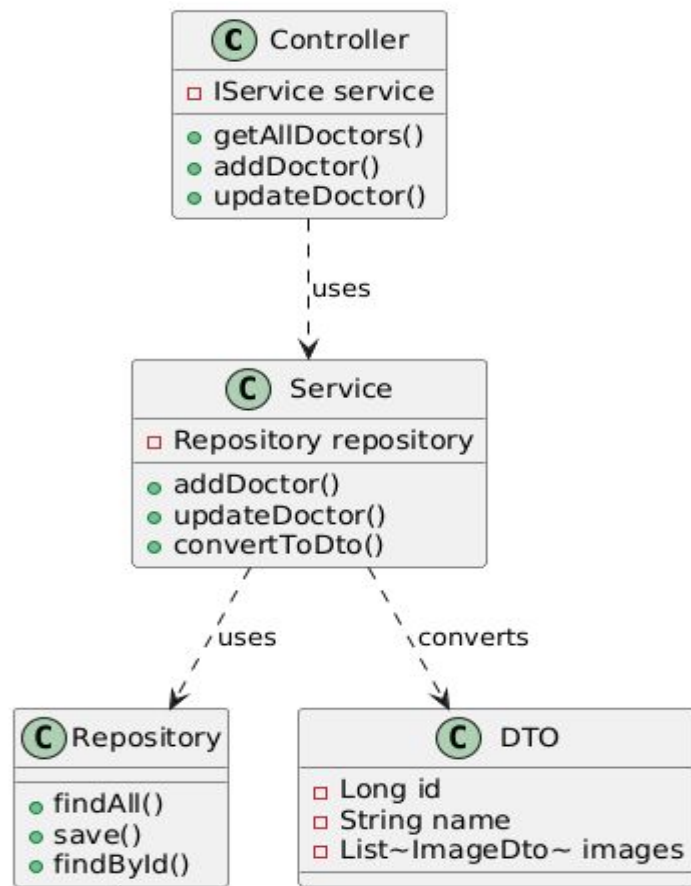




Service Layer Pattern(for doctor)

- Encapsulation of Business Logic
- By isolating the business logic into distinct service classes, it allows for easier reusability and maintainability.

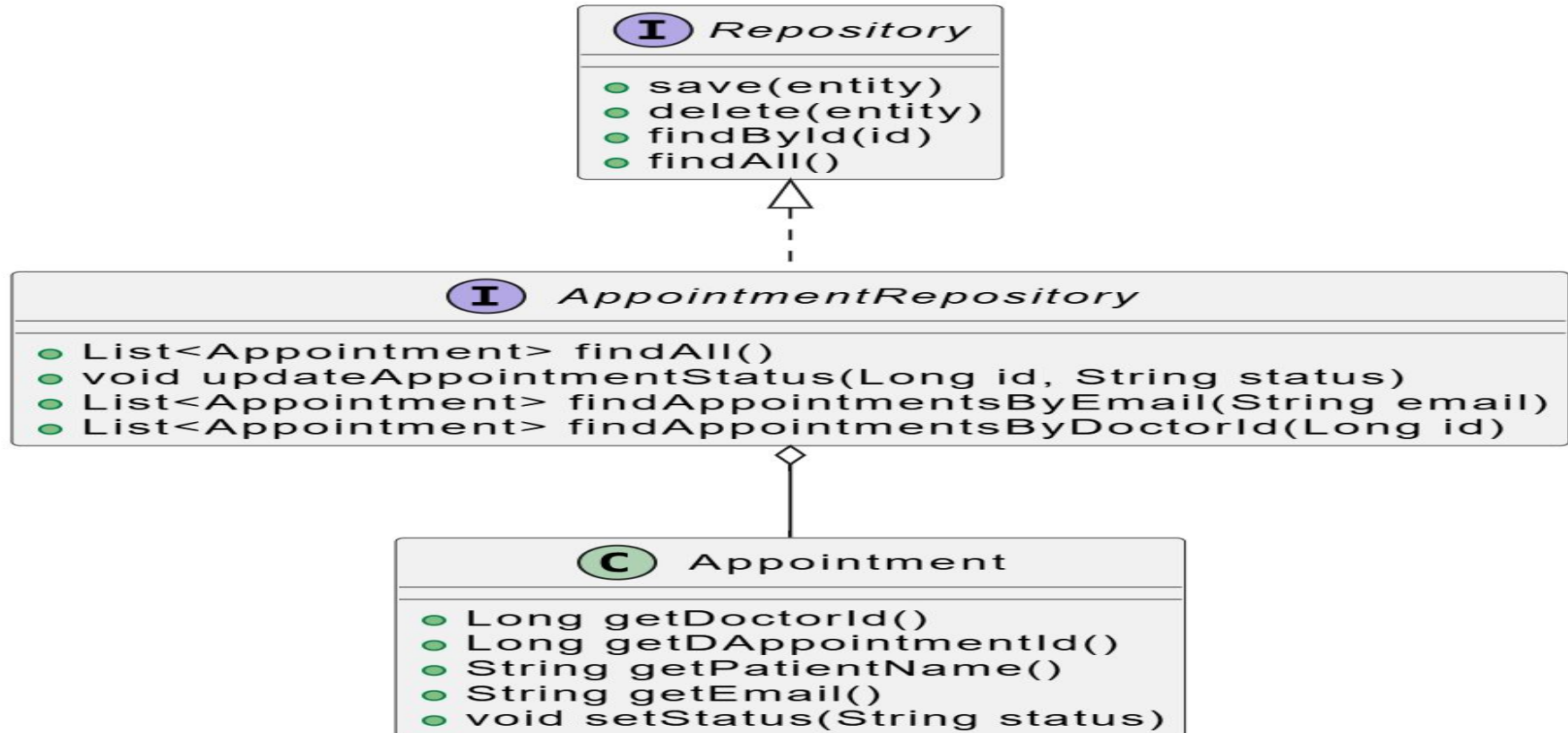




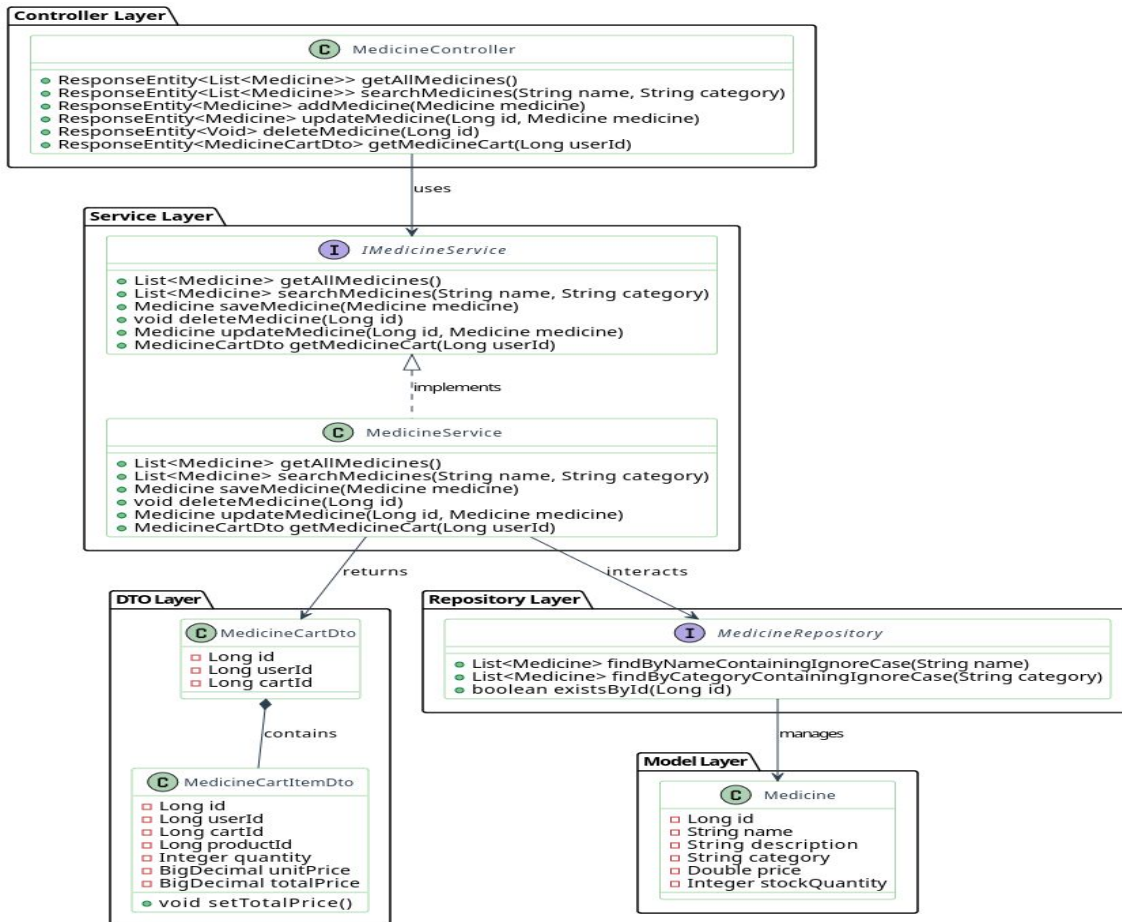
Repository Design Pattern

- The Repository Design Pattern provides an abstraction over the data access layer.
- It separates business logic from database logic.
- Offers a clean API for querying and modifying data.

UML diagram for Repository Design Pattern



Strategy Design Pattern



Thank You