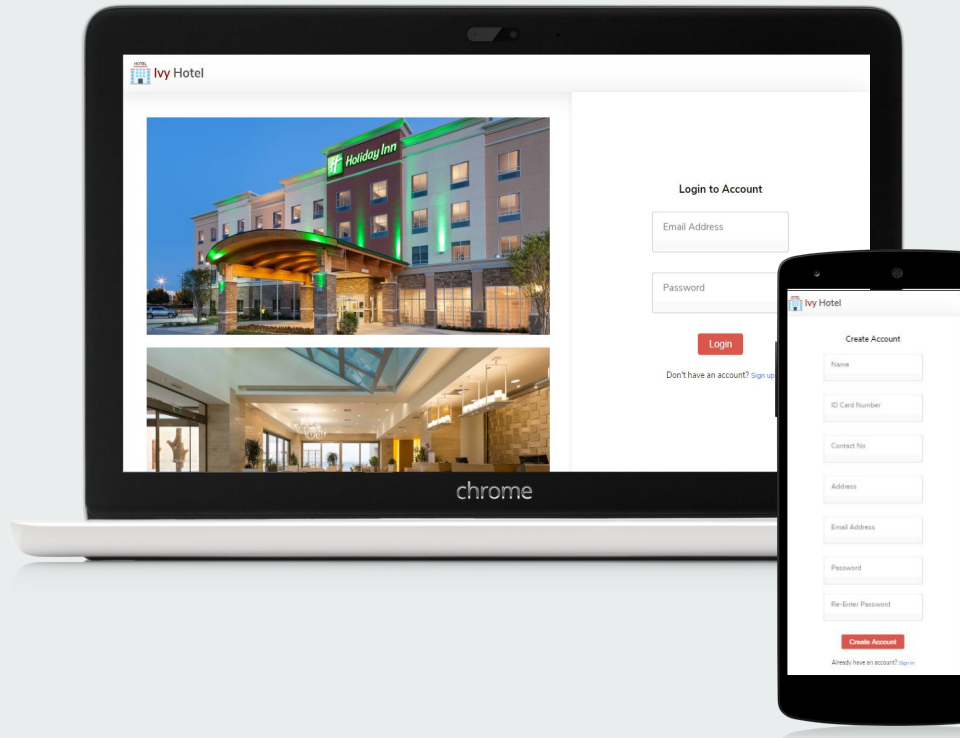




Hotel Management System





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Outline

Project Overview

Use Cases

SSDs and Communication Diagram

Class Diagram

Project Overview

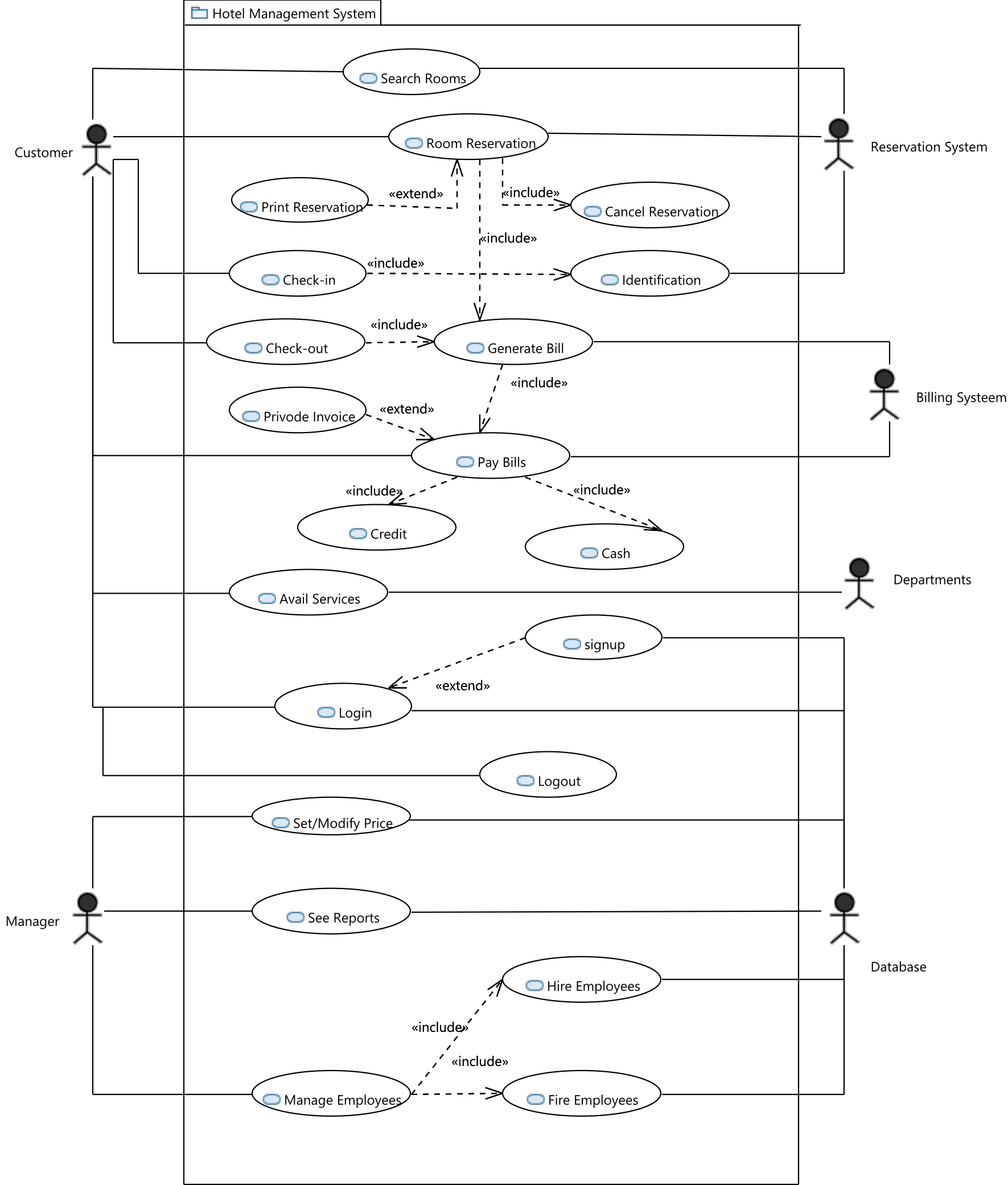


Project Objectives & Vision

- To automate and digitalize the various hotel functions to be more customer oriented and less time consuming.
- To create an attractive and easy to use user interface for both online and on-premises room reservations.
- To create a system for managing services requested.

Use Cases

Hotel Management System





High Level Use Cases

- Room Reservation
- CheckIn
- CheckOut
- Login/Signup
- View Records

Use-Case : Room Reservation

Primary Actor : Customer

Scope : Help user to book a room.

Level : User Goal.

Pre-condition :

The customer knows how to reserve a room.

Post-condition :

The customer was successful in booking a room.

Success Scenario :

User Action	System Responsibility
The Customer opens the reservation tab after searching for the best option for them according to their budget.	The System lists down the available rooms.
The Customer select the room of his choice and fills the booking details and books the room.	The System saves the booking details in the database and generate a reservation bill.

Stakeholders and Interests:

Customer : The Customer wants to book a room using the reservation system.

Extensions :

- The details provided by the user are faulty.
 - The system generates an error message detailing the mistake and how to fix it
 - The Customer fixes the error and books the room again
 - The system check the details and repeat the process until the provided information is correct.

Special Requirements :

- System should provide multi-language support to help foreign customers to also book a room.
- System response time should be less than 1s.

Technology and Data variation list :

- The System should be able to handle multiple requests at the same time.

Frequency of Occurrence : Many times a day

Open Issue :

- How the system will handle requests for the same room done at the same time.

Use-Case : Check-in

Primary Actor : Customer

Scope : Reservation System

Level : User-Goal

Pre-condition :

- The Customer has completed the room reservation process.
- The records of reservation are present in the system.
- The Customer hasn't cancel the reservation.

Post-condition :

- Customer has been given the room key.

Success Scenario :

User Action	System Responsibility
Customer provides the reservation bill at the reception.	The system after receiving the bill checks the details in the system.
Customer pays for the room reservation.	The system finalizes the room reservation process.
Customer get the room keys.	

Stakeholders and Interests:

Customer : The Customer wants to check-in and get the keys of booked room.

Extensions :

- The provided reservation bill doesn't exist in the system.
 - The system generates an error message details the reason.
- The provide reservation bill has already been cancelled.
 - The system generates an error message details the reason.

Special Requirements :

- System response time should be less than 1s.
- The database must be connected with the reservation system.

Technology and Data variation list :

- The System should be able to search multiple records at the same time.
- The System must be able to handle multiple requests at the same time.

Frequency of Occurrence : Many times a day

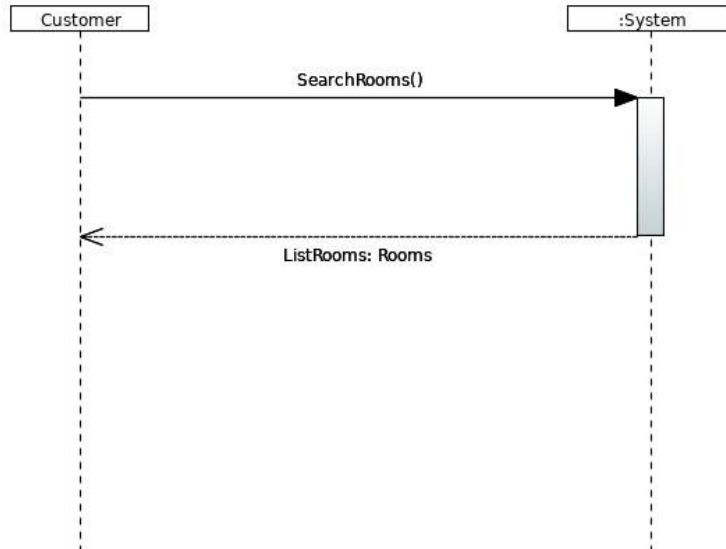
Open Issue :

- What happens when there is a problem with the database.

System Sequence Diagrams

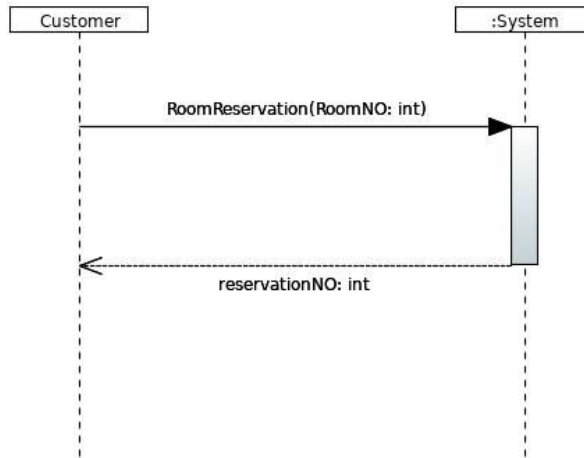
Search Rooms

Interaction2



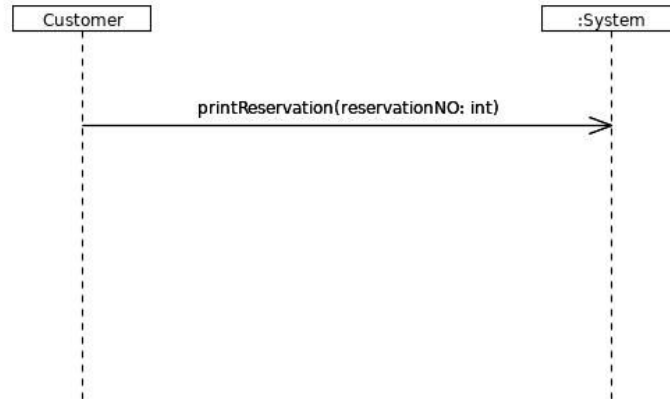
Room Reservation/Booking

Interaction3



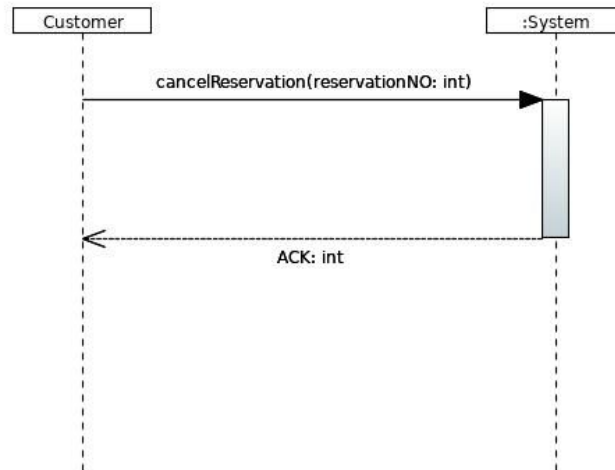
Print Reservation

Interaction9

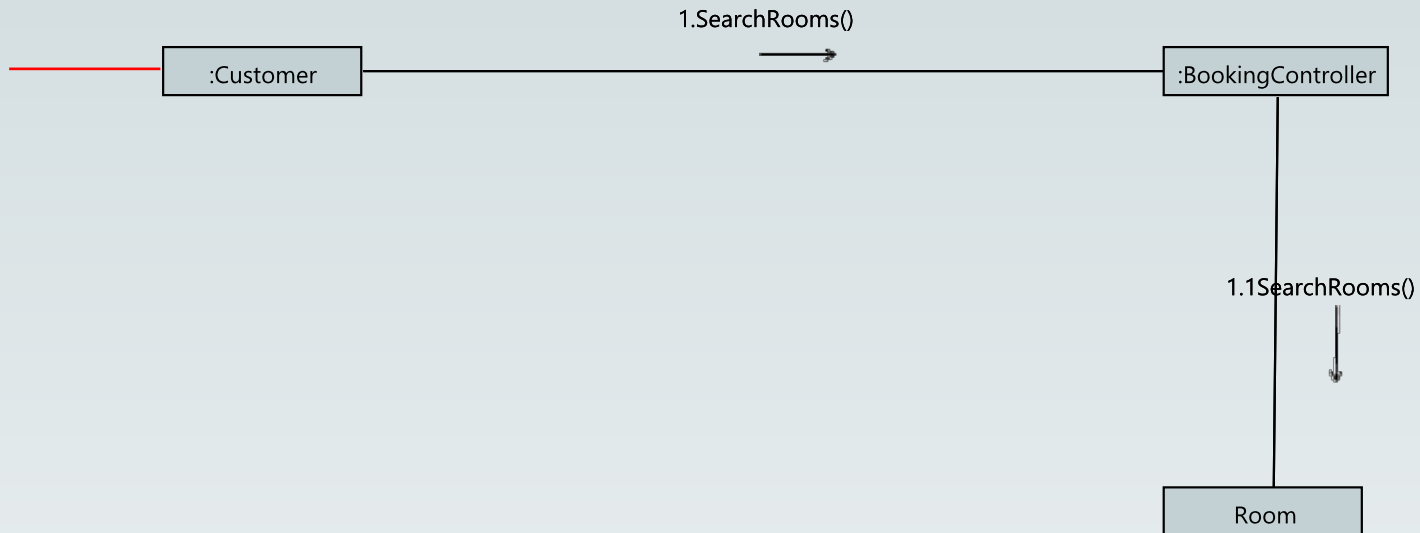


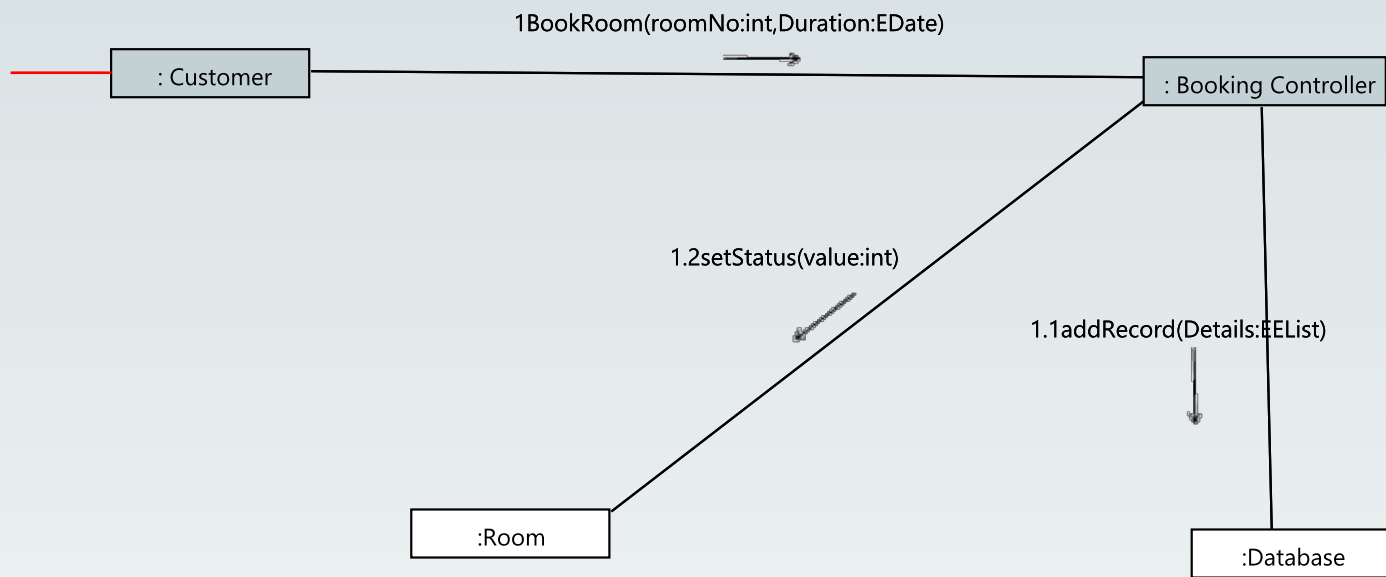
Cancel Reservation

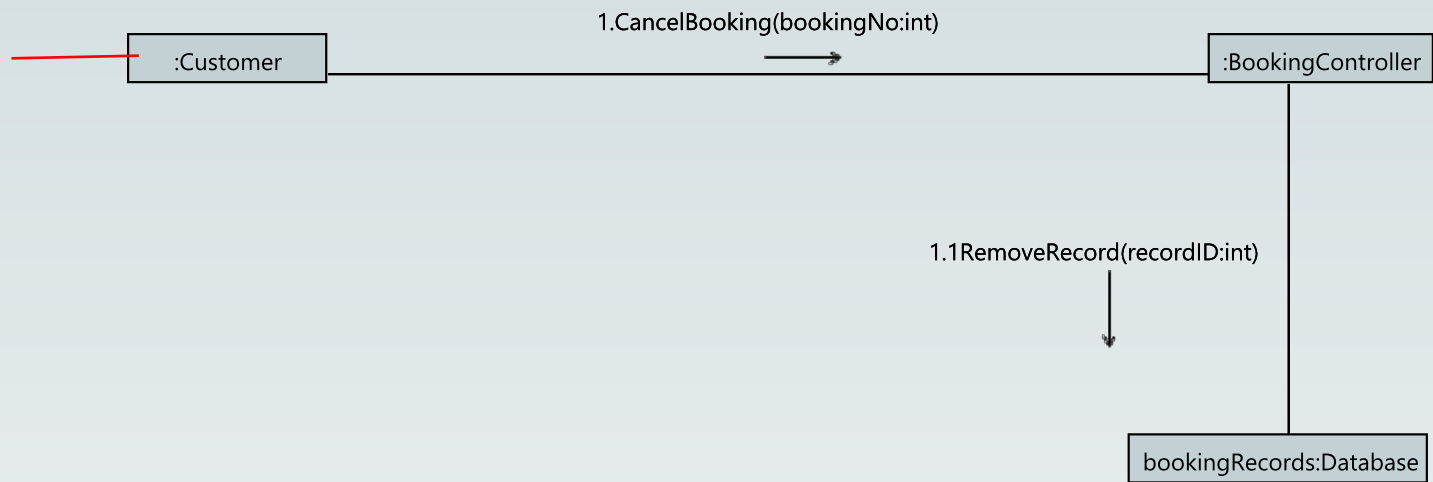
Interaction8

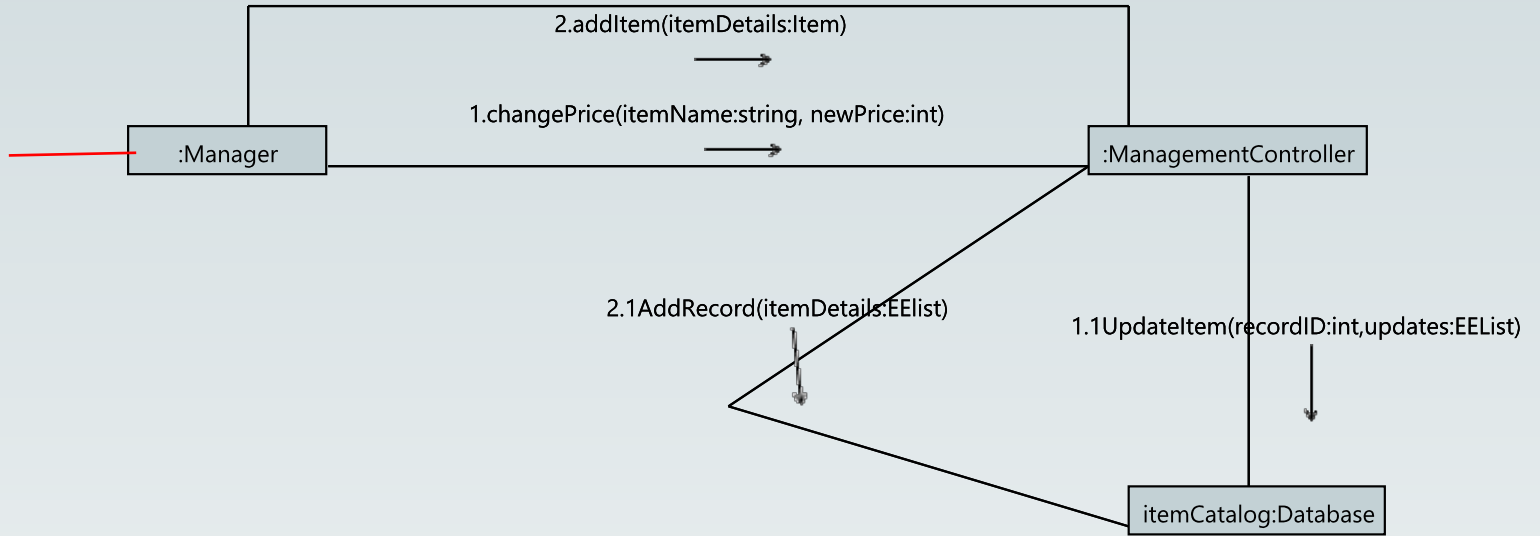


Communication Diagrams

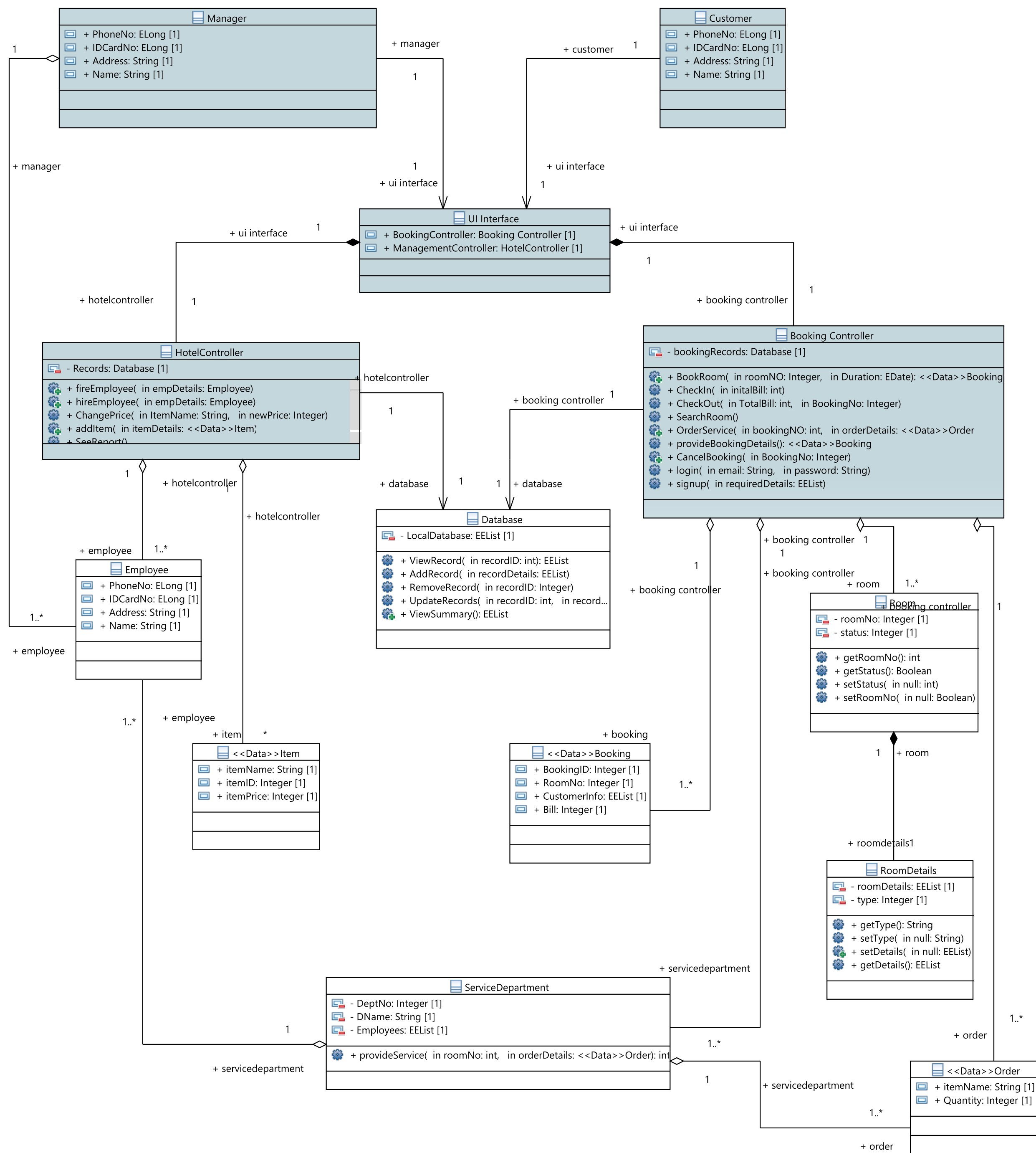








Class Diagram



Thank You
