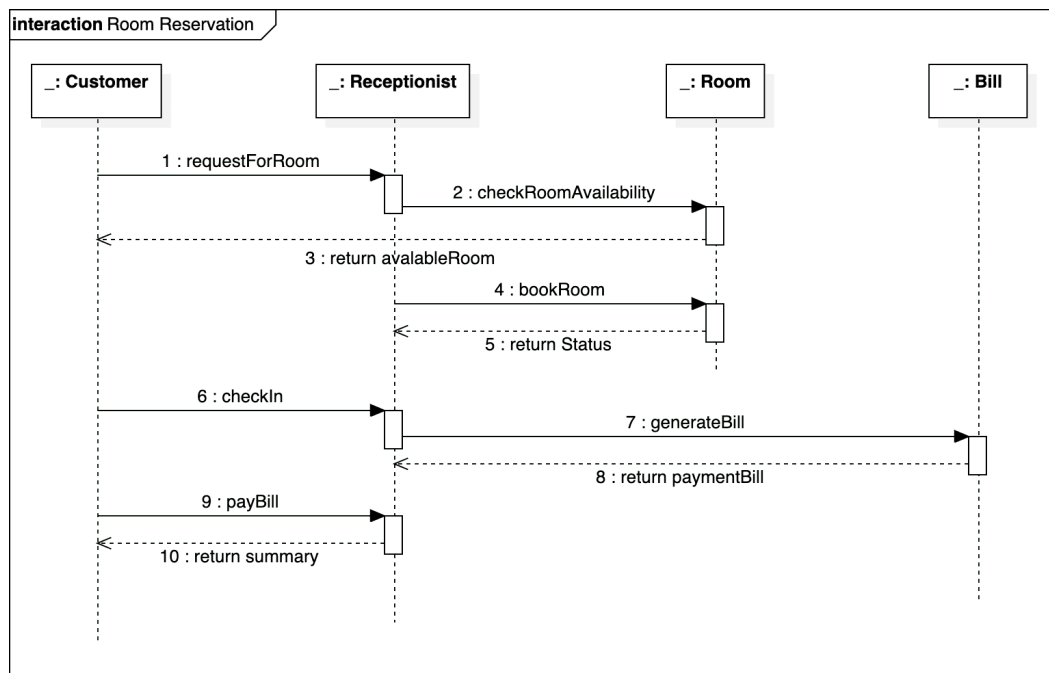


SSD for Hotel Reservation System

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Room Reservation



Operation: roomReservation(roomType: RoomType)

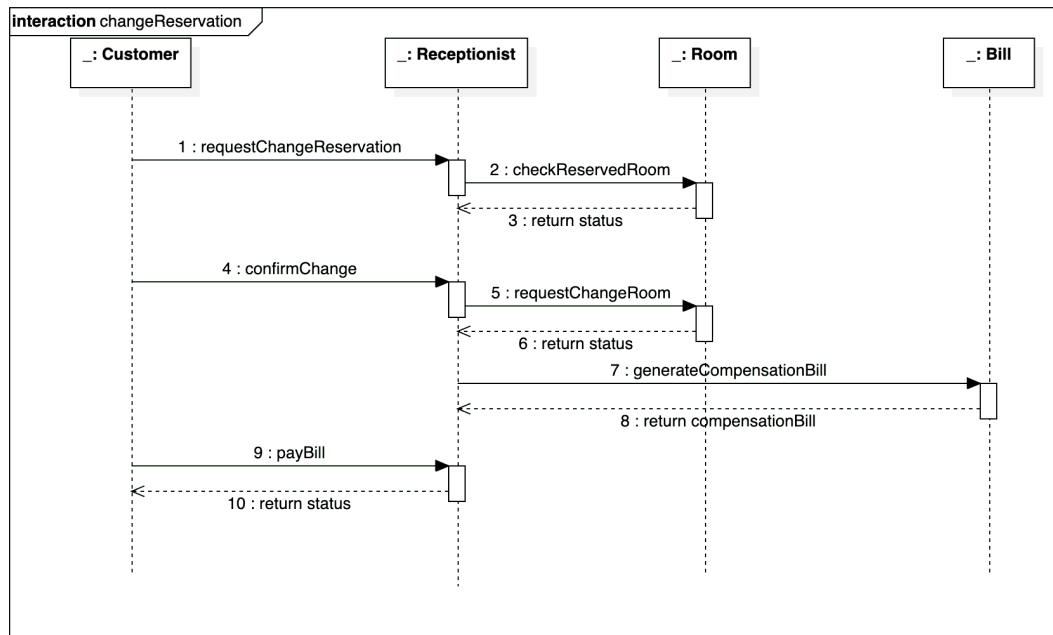
Cross References: Use Cases: Room Reservation

Preconditions: none

Postconditions:

- A new Room newRoom instance is created and store in database, indicating the user's just reserved room
- newRoom is associated with a RoomDescriptor class
- A new Bill instance is created and need to be paid by the customer. Bill.amount is the price of the room

Change Reservation



Operation: changeReservation(: This)

Cross References: Use Case: Change Reservation

Preconditions: The customer had an available room before.

Postconditions:

- The room instance that the customer reserved before is updated.
- A new Bill instance is created, indicating the compensation fee for the customer. If the new room costs less than before, customer will be refunded and vice versa.