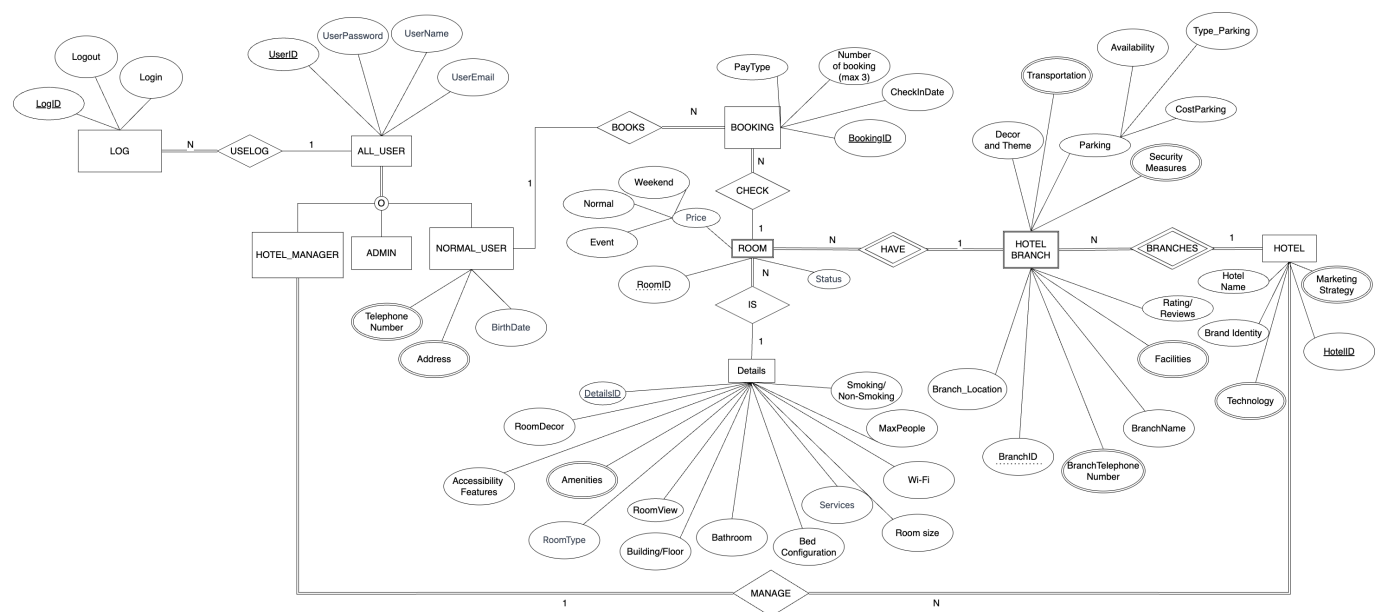
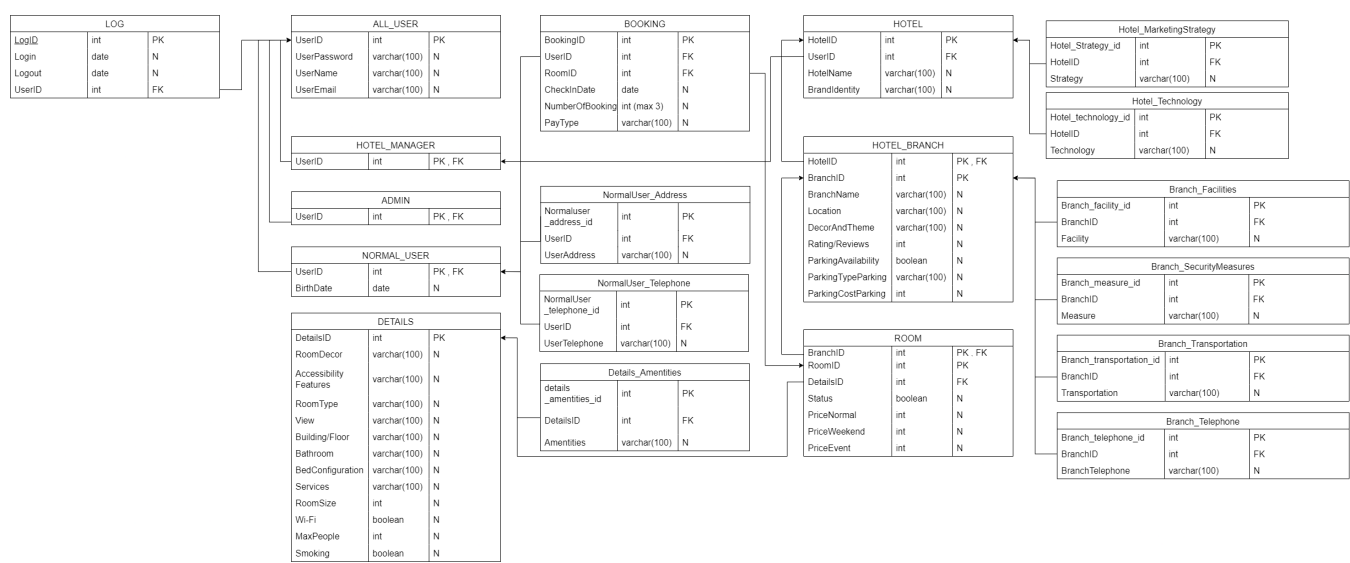


Hotel Booking

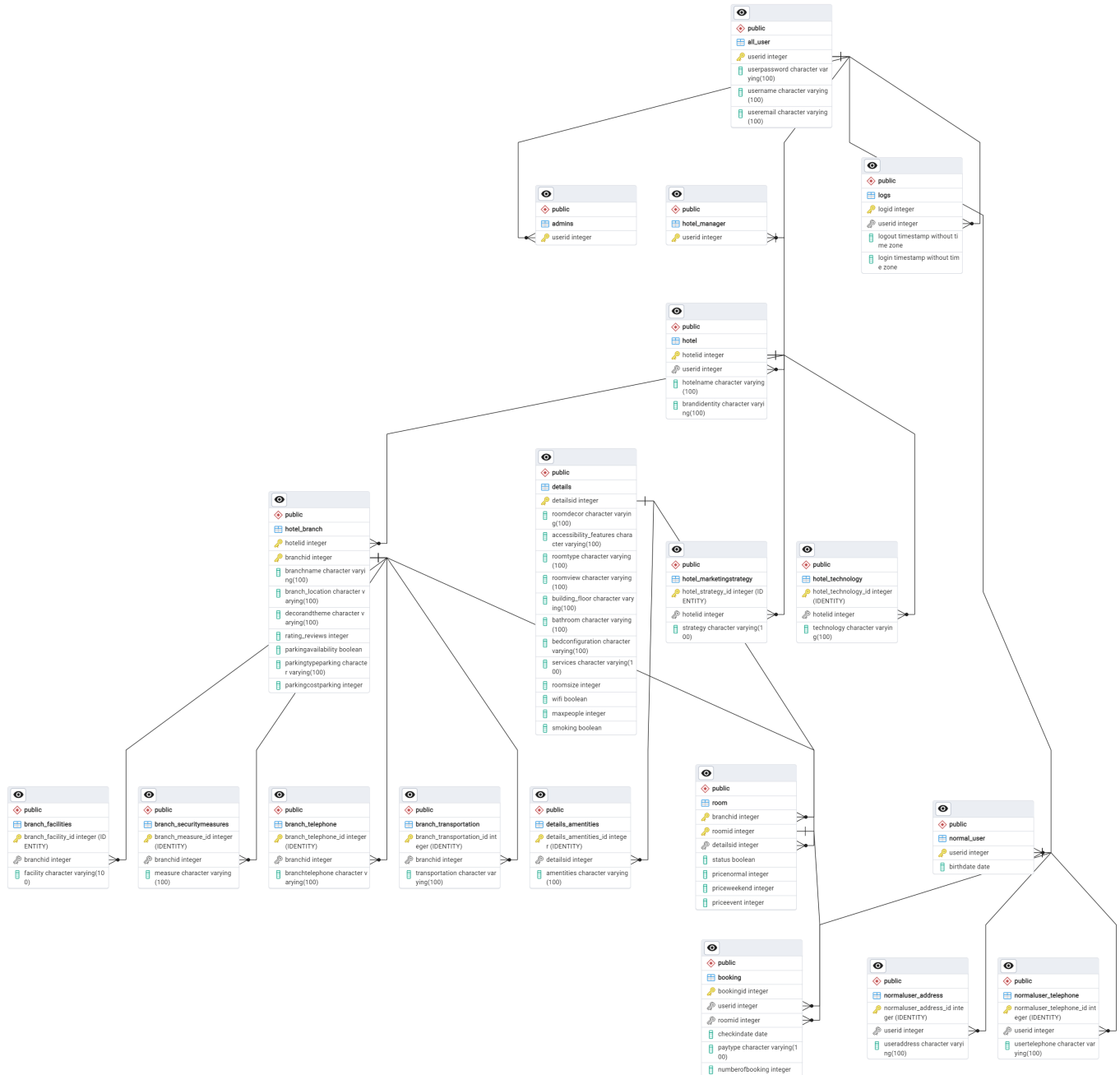
1. ER Diagram (Chen's notation)



2. Schema diagram with referential integrity



//



Project Function Requirement

- The system shall allow a user to register by specifying the name, telephone number, email, and password.
 - [cmd1_register_all_user](#)
- After registration, the user becomes a registered user, and the system shall allow the user to log in to use the system by specifying the email and password. The system shall allow a registered user to log out.
 - [cmd2_login_user](#)
- After login, the system shall allow the registered user to book up to 3 nights by specifying the date and the preferred hotel. The hotel list is also provided to the user. A hotel information includes the hotel name, address, and telephone number.
 - [cmd3_1_insert_booking_with_user_and_room](#)
 - [cmd3_2_user_view_all_room](#)
- The system shall allow the registered user to view his hotel bookings.

- [cmd4_user_view_bookings](#)
- 5. The system shall allow the registered user to edit his hotel bookings.
 - [cmd5_user_edit_booking](#)
- 6. The system shall allow the registered user to delete his hotel bookings.
 - [cmd6_user_delete_booking](#)
- 7. The system shall allow the admin to view any hotel bookings.
 - [cmd7_admin_view_bookings](#)
- 8. The system shall allow the admin to edit any hotel bookings.
 - [cmd8_admin_edit_booking](#)
- 9. The system shall allow the admin to delete any hotel bookings
 - [cmd9_admin_delete_booking](#)

Document-based design schema

```
{
  "title": "BOOKING",
  "required": [
    "BookingID",
    "UserID",
    "RoomID",
    "CheckInDate",
    "PayType",
    "NumberOfBooking"
  ],
  "properties": {
    "BookingID": {
      "bsonType": "int",
      "description": "The unique identifier for each booking",
      "unique": true
    },
    "UserID": {
      "bsonType": "int",
      "description": "The unique identifier for each user"
    },
    "RoomID": {
      "bsonType": "int",
      "description": "The unique identifier for each room"
    },
    "CheckInDate": {
      "bsonType": "date",
      "description": "The date when the booking is made"
    },
    "PayType": {
      "bsonType": "string",
      "description": "The payment type for the booking"
    },
    "NumberOfBooking": {
      "bsonType": "int",
      "description": "The number night of bookings made by the user",
      "maximum": 3
    }
  }
}
```

```
}  
}
```