

Hotel Management System

Django rest framework (Django module)

- Backend development / Api creation
- Authentication
- Permissions
- Filtering and Searching

Backend Relations for HMS Database:

Restaurant:

- **FoodCategory:**
 - No direct relation to other tables.
- **Food:**
 - **category:** ForeignKey to `FoodCategory` (one-to-many relationship).
 - **menu:** ForeignKey to `Menu` (one-to-many relationship).
- **Order:**
 - **room:** ForeignKey to `Room` (many-to-one relationship, nullable).
 - **food:** ForeignKey to `Food` (many-to-many relationship, implemented through an intermediate table).
 - **table:** ForeignKey to `Table` (many-to-one relationship, nullable).
- **Table:**
 - No direct relation to other tables.
- **Menu:**
 - No direct relation to other tables.
- **RestaurantBill:**
 - **order:** ForeignKey to `Order` (one-to-many relationship).

Frontdesk:

- **Customer:**
 - No direct relation to other tables.

Management:

- **Floor:**
 - No direct relation to other tables.
- **RoomType:**
 - No direct relation to other tables.
- **Room:**
 - **floor:** ForeignKey to `Floor` (many-to-one relationship).
 - **type:** ForeignKey to `RoomType` (many-to-one relationship).
- **Employee:**
 - No direct relation to other tables.
- **Service:**
 - No direct relation to other tables.

Accounting:

- **Bill:**
 - **customer:** ForeignKey to `Customer` (many-to-one relationship).
- **Payment:**
 - **bill:** ForeignKey to `Bill` (one-to-many relationship).
- **EmployeeSalary:**
 - **employee_name:** ForeignKey to `Employee` (one-to-many relationship).

Parking:

- **ParkingSection:**
 - No direct relation to other tables.
- **TicketCharges:**

- **ticket:** ForeignKey to `Ticket` (one-to-one relationship).
- **Ticket:**
 - **section:** ForeignKey to `ParkingSection` (many-to-one relationship).
 - **customer:** ForeignKey to `Customer` (many-to-one relationship).