Hotel System

Entity	Object
Room	- Id [INT NOTNULL PK] - num [INT] - type [VARCHAR (10)] - price [INT] - status [VARCHAR (15)]
Customer	- id [INT NOTNULL PK] - firstname [VARCHAR (40)] - lastname [VARCHAR (40)] - age [INT] - phone [VARCHAR (10)]
Reservation	- id [INT NOTNULL PK] - customer_id [INT NOTNULL FK] - room_id [INT NOTNULL PK] - dateIn [DATETIME] - dateOut [DATETIME]

ER Diagram
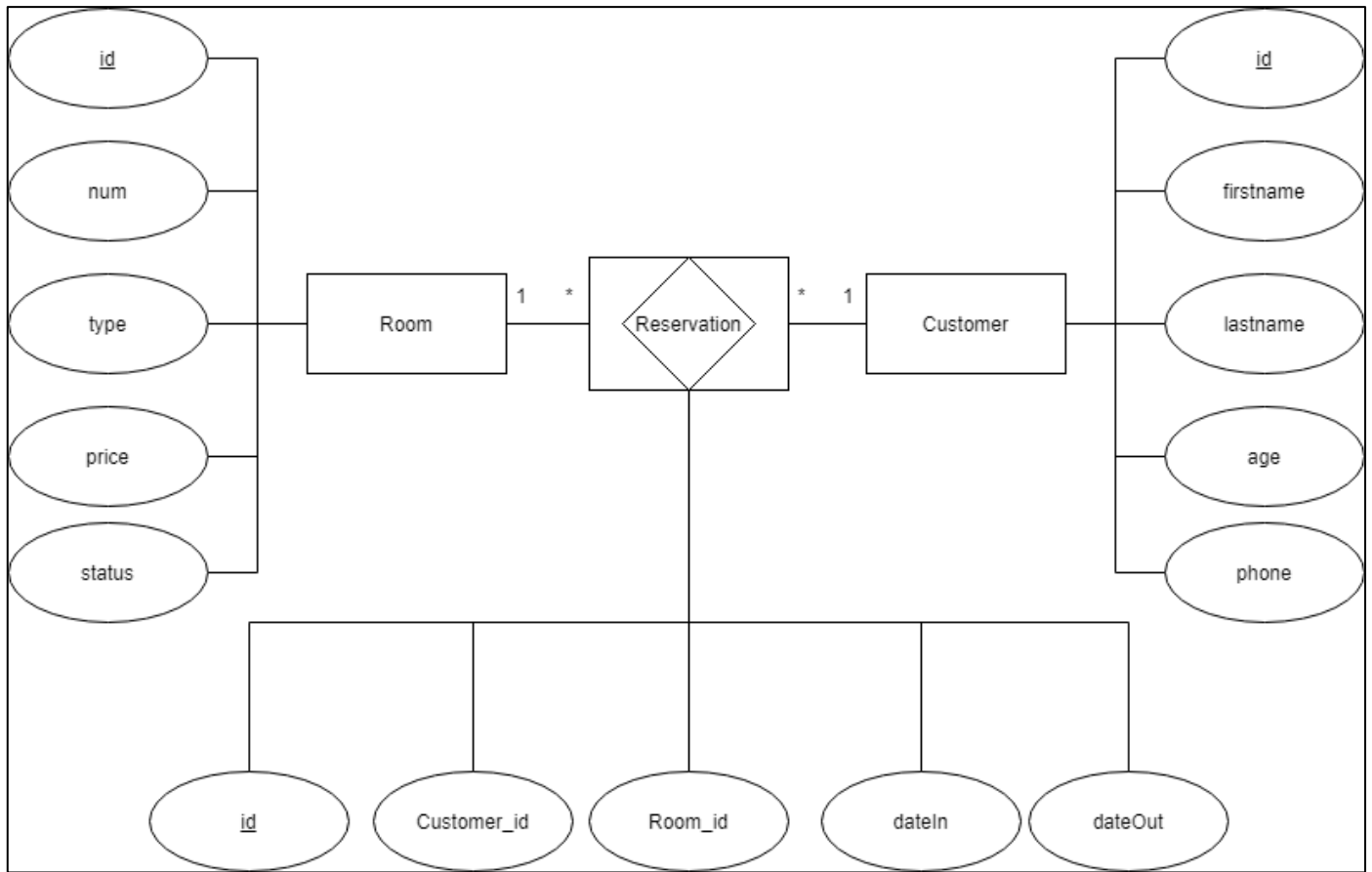
Request

Room

-POST / CreateRoom?id=5&room_num=501&room_type=vvip&room_price=6099&room_status=available

-GET / GetRoom?room_id=2

-POST / EditRoom?id=5&room_num=501&room_type=vvip&room_price=6099&room_status=unavailable

Customer

-POST / AddCustomer?id=4&firstName=Lalin&lastName=Dorn&age=24&phone=0815942231

-GET / GetCustomer?id=1

Reservation

-POST / MakeReservation?res_id=3&id=2&room_id=1&dateIn=15-02-2021 10:00&dateOut=17-02-2021 13:00

-GET / GetReservation?res_id=2

-DELETE / DeleteReservation?res_id=1

-POST / EditeReservation?res_id=3&id=2&room_id=1&dateIn=18-02-2021 10:00&dateOut=19-02-2021 13:00

Response

Room

CreateRoom:

```json
{
    "statusCode": 200,
    "message": "Room 501 added successfully",
    "data": {
        "room_id": 5,
        "room_num": 501,
        "room_type": "vvip",
        "room_price": 6099,
        "room_status": "available"
    }
}
```

GetRoom:

```json
{
    "statusCode": 200,
    "message": "Room found successfully",
    "data": {
        "id": 2,
        "room_num": 201,
        "room_type": "superior",
        "room_price": 899,
        "room_status": "available"
    }
}
```

EditRoom:

```json
{
    "statusCode": 200,
    "message": "Room 501 edit status successfully",
    "data": {
        "room_id": 5,
        "room_num": 501,
        "room_type": "vvip",
        "room_price": 6099,
        "room_status": "unavailable"
    }
}
```

Customer

AddCustomer:

```json
{
    "statusCode": 200,
    "message": "Customer Lalin Dorn added successfully",
    "data": {
        "cus_id": 4,
        "firstName": "Lalin",
        "lastName": "Dorn",
        "age": 24,
        "phone": "0815942231"
    }
}
```

GetCustomer:

```json
{
    "statusCode": 200,
    "message": "Customer found successfully",
    "data": {
        "id": 2,
        "firstName": "Ticha",
        "lastName": "Chang",
        "age": 24,
        "phone": "0931374677"
    }
}
```

Reservation

MakeReservation:

```json
{
    "statusCode": 200,
    "message": "Make reservsation for customer id2 success",
    "data": {
        "res_id": 3,
        "cus_id": 2,
        "room_id": 1,
        "dateIn": "15-02-2021 10:00",
        "dateOut": "17-02-2021 13:00"
    }
}
```

GetReservation:

```json
{
    "statusCode": 200,
    "message": "Reservation found successfully",
    "data": {
        "id": 2,
        "cus_id": 2,
        "room_id": 2,
        "dateIn": "05-01-2021 13:10",
        "dateOut": "08-01-2021 10:30"
    }
}
```

DeleteReservation:

```json
{
    "statusCode": 200,
    "message": "Reservation deleted successfully"
}
```

EditReservation:

```json
{
    "statusCode": 200,
    "message": "Edit reservsation for customer id2 success",
    "data": {
        "res_id": 3,
        "cus_id": 2,
        "room_id": 1,
        "dateIn": "18-02-2021 10:00",
        "dateOut": "19-02-2021 13:00"
    }
}
```