

## Hotel booking API

create a hotel booking api in Spring boot where hotel owner registers their hotels and add rooms to it and perform other operations, so that it can be displayed for booking. You need to perform the specified operations below

Models:

These are the database models used in the application.

### Owner\_Model

Field Name	Type	Primary key	comments
userName	String	yes	
password	String		
age	Integer		
email	String	unique	
hotels			One-to-Many relationship with HotelModel

### Hotel\_Model

Field Name	Type	Primary key	comments
id	Integer	yes	
hotelName	String		
address	String		
owner			Many-to-one relationship with OwnerModel

### Room\_Model

Field Name	Type	Primary key	Comments
id	Integer	yes	
roomNo	Integer		
rentAmount	Float		
occupied	Boolean		Default = false
hotelId	Integer		ForeignKey -> HotelModel.id

The models are already created for you and you have to only finish the controller, service and repository code.

The Owner repository already has the following data in the table as given below.

UserName	Age	Password	Email
madara88	24	q1e3w2aqsw	wakeup2reality@no mail.com

### Endpoints:

End-point	Functionality	Request parameter	Success Response	Error Response
/hotel/add Method - POST	Create and adds a hotel. Assume that the request body is always valid and owner object with the given name always found.	JSON Body- { "hotelName": "akatsukilnn", "address": "28/L leaf village", "ownerName": "madara88" }	201 created { "id": 1, "hotelName": "akatsukilnn", "address": "28/L leaf village" }	400 bad request
/room/add Method - POST	Create and adds a hotel. Assume that the request body is always valid.	JSON Body- { "roomNo": 101, "rentAmount": 2500, "hotelId": 1, "floorNo": 1 }	201 created { "id": 1, "roomNo": 101, "rentAmount": 2500.0, "occupied": false, "hotelId": 1, "floorNo": 1 }	400 bad request

<p><b>/rooms/get</b> return all room objects in the room Table.</p> <p><b>/rooms/get?</b> hotelId= {hotel Id} return all room objects of a particular hotel with given hotel Id.</p> <p>Method - GET</p>	<p>Get the respective rooms according to the url. <b>Assume that the path variable is always found.</b></p>	<p>Either one of the Following URL:</p> <p>1. No path variable or Request Param.</p> <p>(OR)</p> <p>2.Request Param Hotel Id.</p>	<p>200 Ok</p> <pre>[   {     "id": 1,     "roomNo": 101,     "rentAmount": 2500.0,     "occupied": false,     "hotelId": 1,     "floorNo": 1   } ]</pre>	<p>400 bad request</p>
<p><b>/rooms/book/{roomId}</b> Method - PUT</p>	<p>Change the occupied filed of the particular room with given roomId to true/false.</p>	<p>JSON Body-</p> <pre>{   "occupied": false }</pre> <p>Path Variable: 1</p>	<p>200 Ok with updated room object.</p> <pre>{   "id": 1,   "roomNo": 101,   "rentAmount": 2500.0,   "occupied": false,   "hotelId": 1,   "floorNo": 1 }</pre>	<p>404 status code if no room found.</p>
<p><b>/rooms/delete/{roomId}</b> Method - DELETE</p>	<p>Delete the room row with given room id from the table only if the occupied field of that particular room is false. <b>Assume that the path variable is always found.</b></p>	<p>Path Variable: 1</p>	<p>200 Ok</p>	<p>400 bad request with below message.</p> <pre>{   "msg": "room is occupied" }</pre>