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Used Framework: Symfony With MySQL

1. Conception of my database which I called "hotelapi"
2. Create new skeleton
3. Add OpenApi library with 'composer require zircote/swagger-php'
4. Create new folder 'swagger' with a file .php i called swagger.php
5. Create a yaml file with command line : `.\vendor\bin\openapi --format yaml --output .\swagger\swagger.yaml .\swagger\swagger.php src`
6. Create a controller : ApiController.php that control output
7. Create Entities Hotel and Location and generate the database with OpenApi annotations
8. otherwise we can add swagger ui and add the folder dist to our project /public/ so we can have a view of our OPEN API in local server

9. I changed the command line that we tested with to a new one :
  - `.\vendor\bin\openapi --format json --output .\public\openapi\swagger.json .\swagger\swagger.php src`

*=> To generate our json file*

9. I used Autho2 just as Authentication for users to show you how i am going specify roles

10. To run php server I used `(php -S 127.0.0.1:8000 -t public)`

11. My index link is `http://127.0.0.1:8000/openapi/index.html`

12. I created BookingController.php to Show , Edit with specification in the entities like (required, max , min, length) , Delete interface and forms

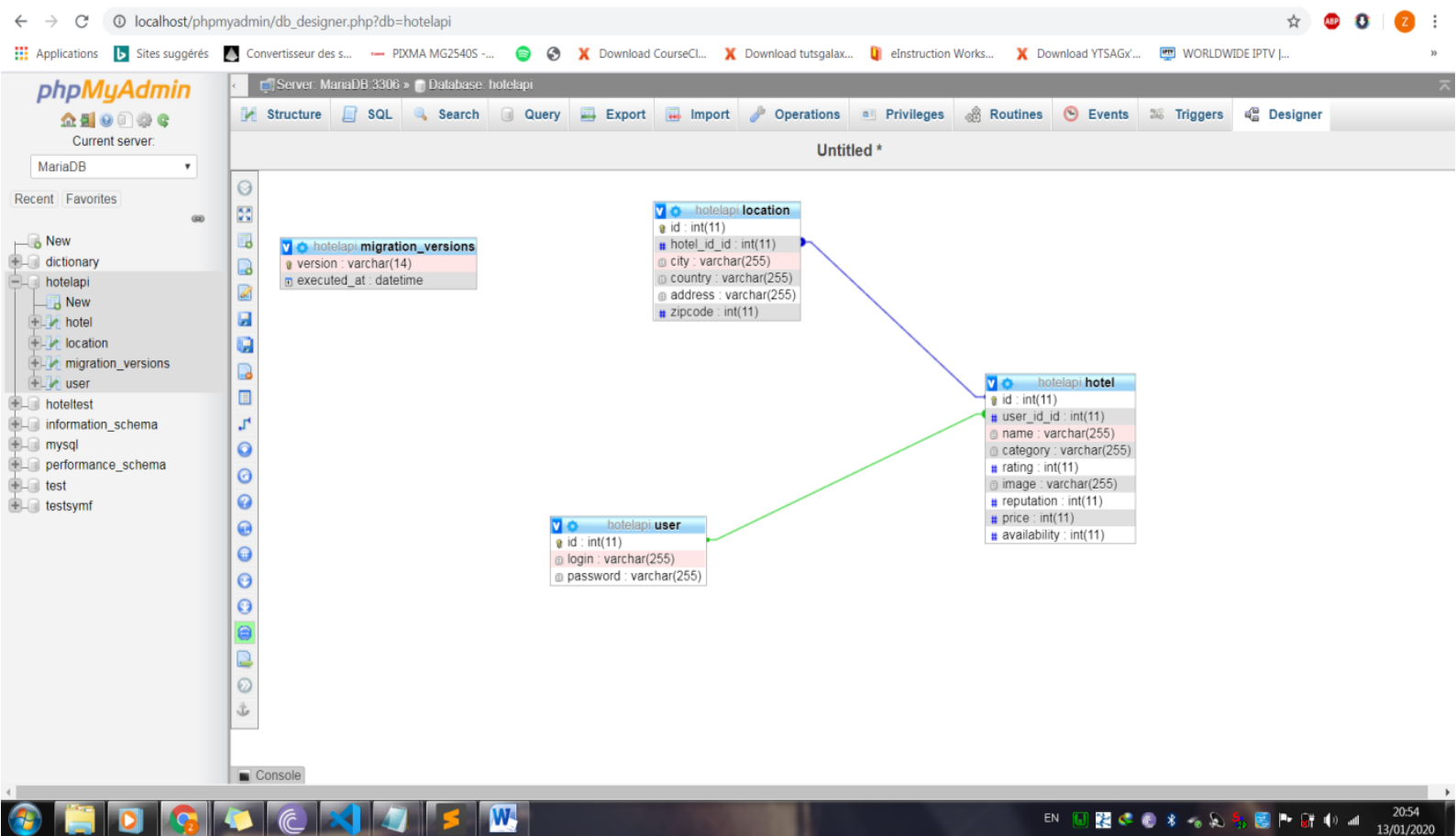
Hotels.html.twig => all hotels

Hotelshow.html.twig => Show an hotel with its rating and reputation

NewHotel.html.twig => Set or Update a hotel

## Screenshots:

*Database schema,*



*OPEN API Index page*

Swagger UI

127.0.0.1:8000/openapi/index.html?response\_type=token&client\_id=hotels&redirect\_uri=http%3A%2F%2F127.0.0.1%3A8000%2Foauth2-redirect.html&state=U3VulEphbiAxMiAyMDIwIDA5OjEx...

# Hotel API 0.1 OAS3

swagger.json

Find out more about Swagger

Servers

- OpenApi Hotel

Authorize

## default

GET /hotels

## hotel

PUT /hotels Update an existing hotel

POST /hotels Add a new hotel

GET /hotels/{hotelID} Find hotel by ID

DELETE /hotels/{hotelId} Deletes a hotel

Example :

Swagger UI

127.0.0.1:8000/openapi/index.html?response\_type=token&client\_id=hotels&redirect\_uri=http%3A%2F%2F127.0.0.1%3A8000%2Foauth2-redirect.html&state=U3VulEphbiAxMiAyMDIwIDA5OjEx...

POST /hotels Add a new hotel

Add a new hotel

Parameters

No parameters

Try it out

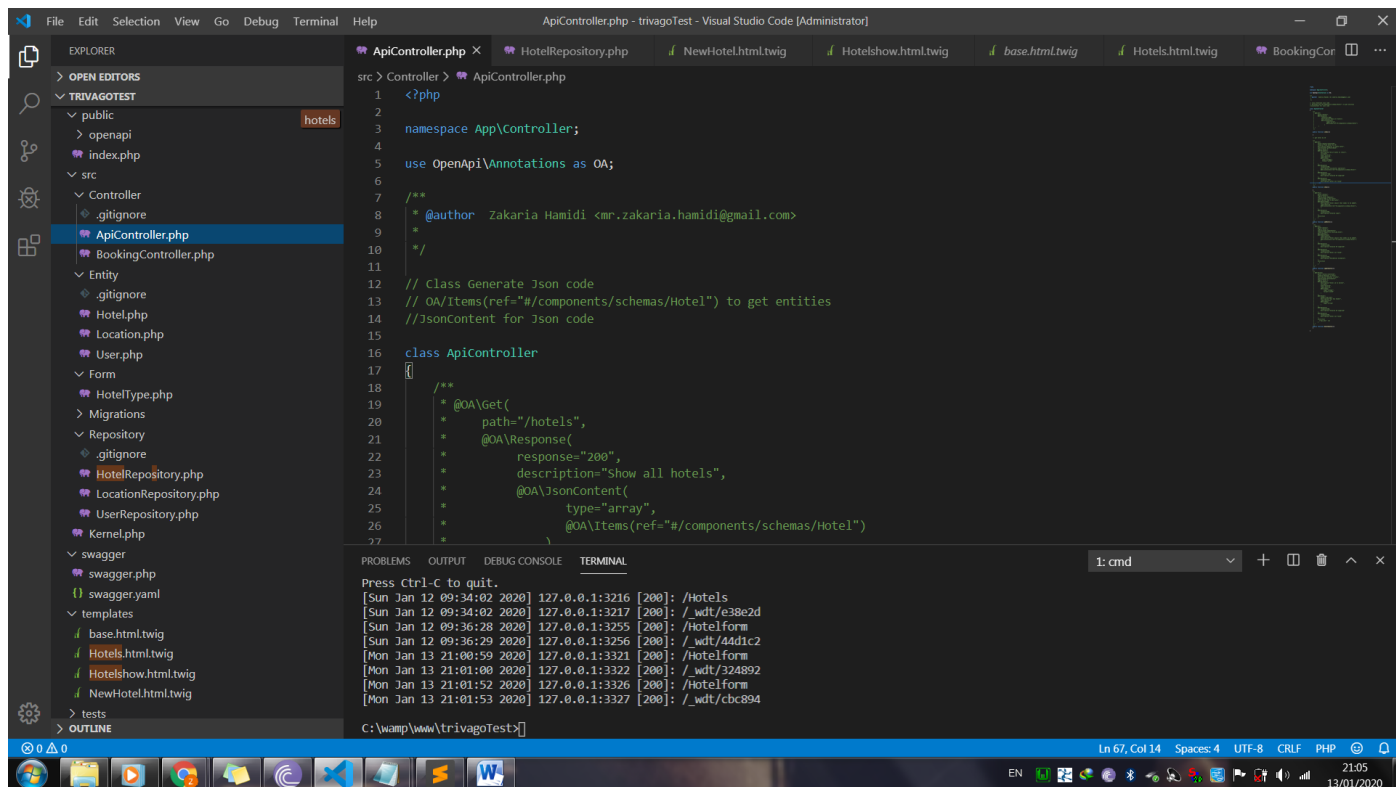
Request body required

application/json

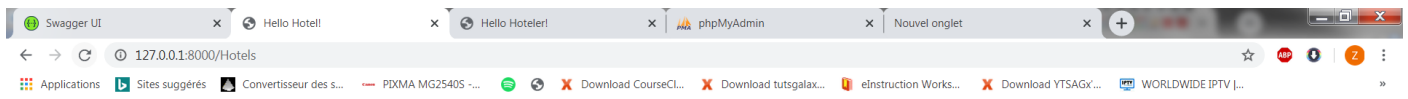
hotel object that needs to be added

Example Value | Schema

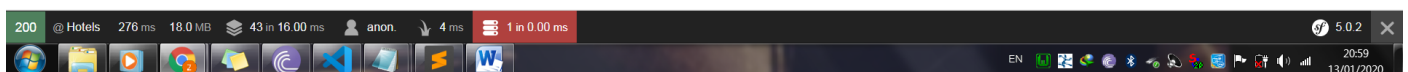
```
{
  "id": 0,
  "name": "string",
  "category": "string",
  "rating": 0,
  "image": "string",
  "reputation": 0,
  "price": 0,
  "availability": 0,
  "locations": {
    "city": "string",
    "country": "string",
    "address": "string",
    "zipcode": 0
  }
}
```



All hotel page with twig



ALL The Hotels! ✓



*Add a new hotel*

Swagger UI x Hello Hotel! x Hello Hoteler! x phpMyAdmin x Nouvel onglet +

127.0.0.1:8000/Hotelform

Applications Sites suggérés Convertisseur des s... PDXMA MG25405 ~... Download CourseCl... Download tutsgalax... elnstruction Works... Download YTSAGx... WORLDWIDE IPTV |...

## Add new Hotel

**Name**

**Image**

**Choose a your category:**

**Price**

**City**

**Country**

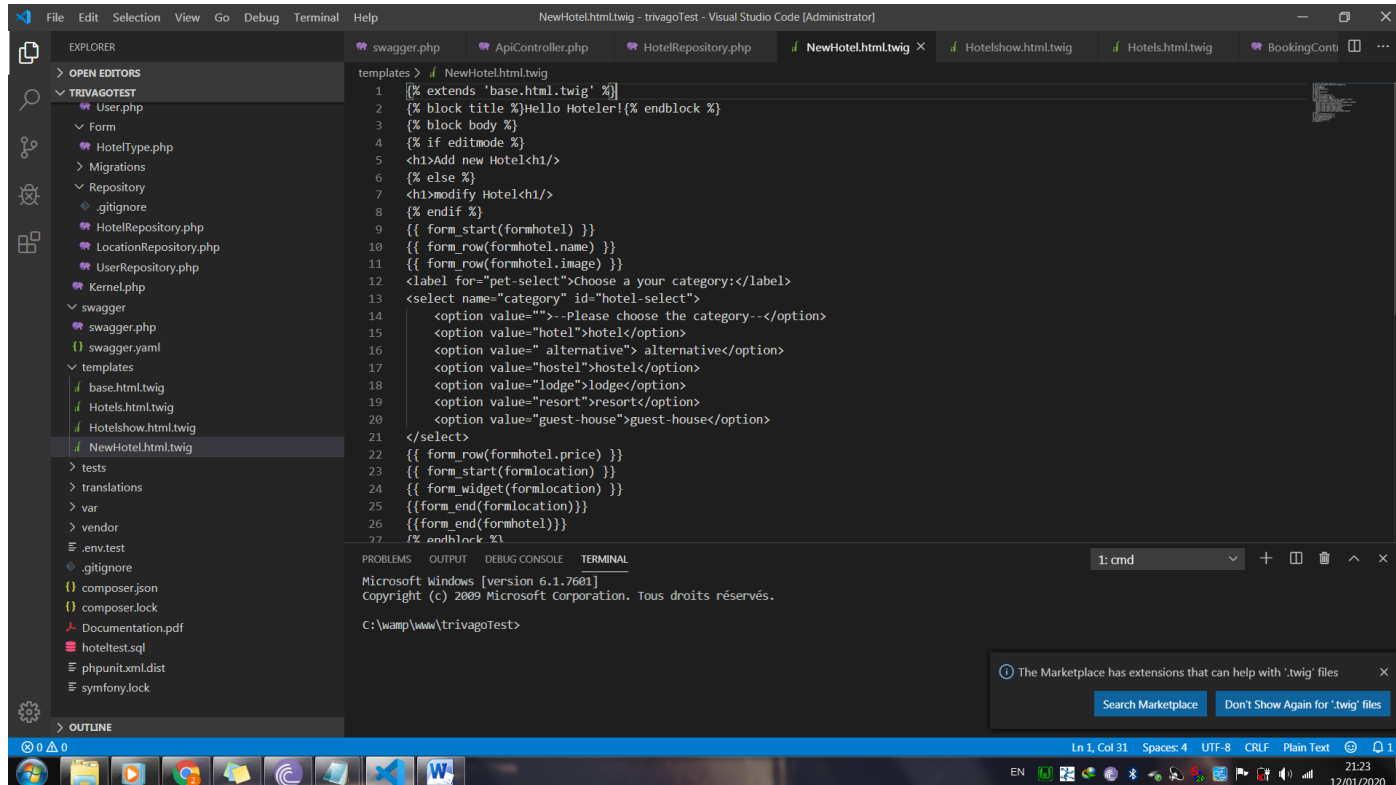
**Address**

**Zip code**

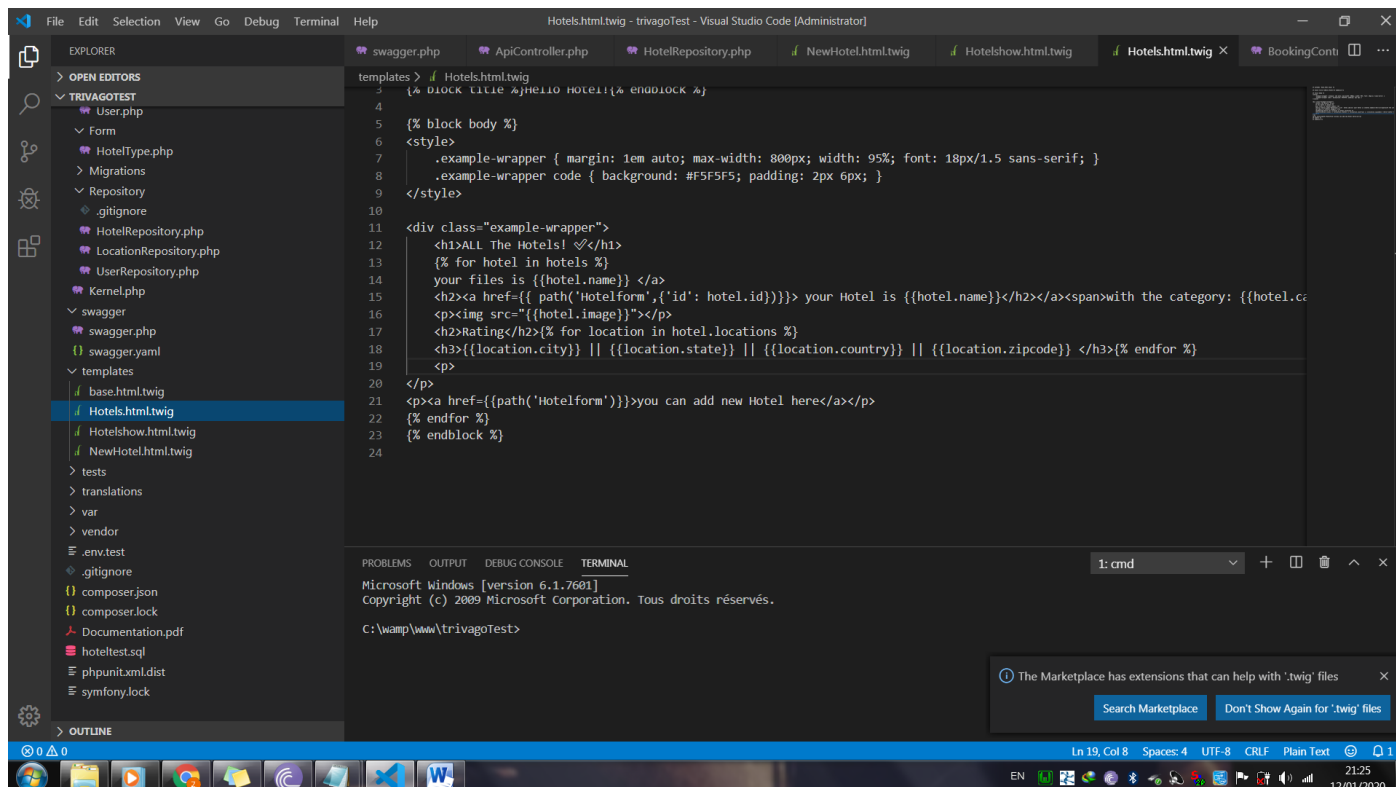
200 @ Hotelform 307 ms 2.0 MB 1 47 in 15.00 ms 11 anon. 40 ms 2 errors 5.0.2

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## Twig examples:

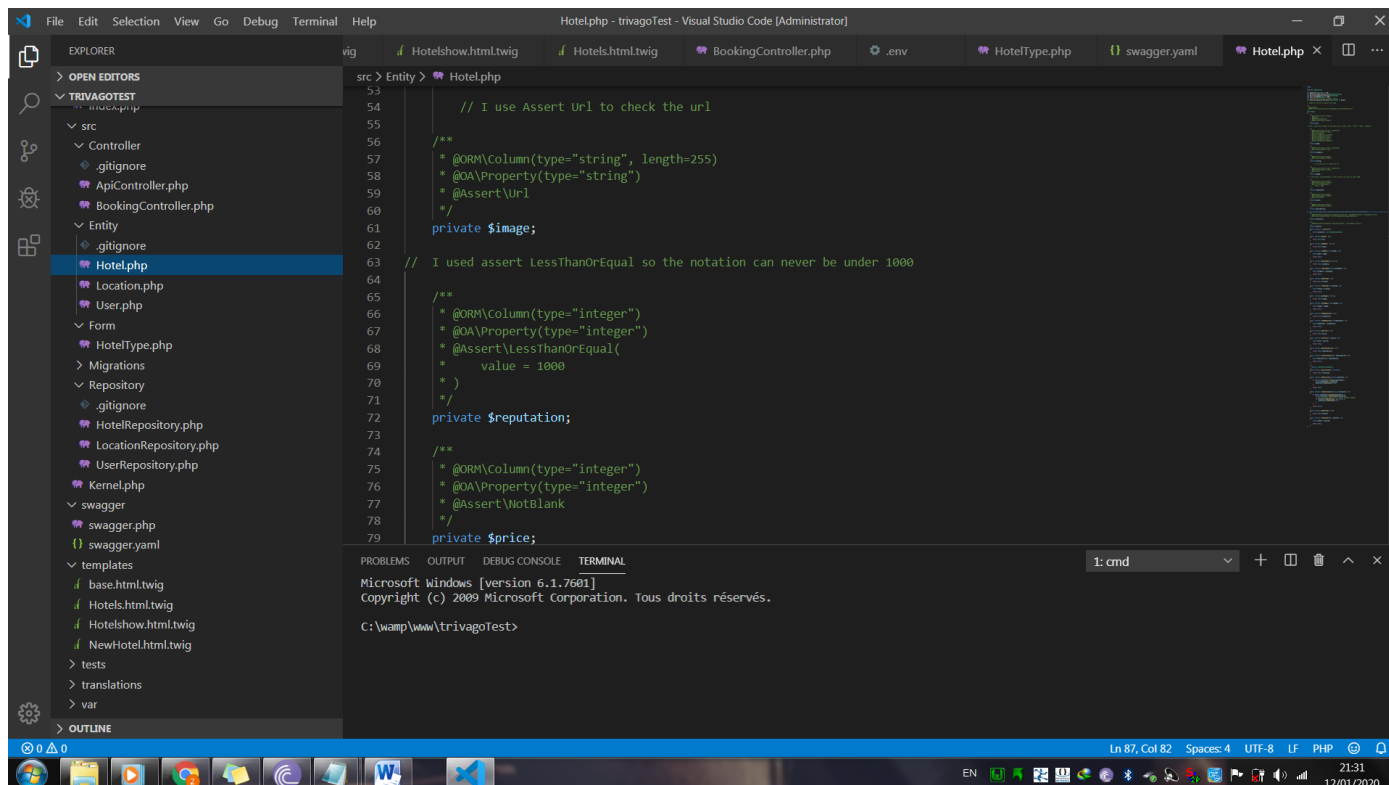


```
1 {% extends 'base.html.twig' %}
2 {% block title %}Hello Hotelier!{% endblock %}
3 {% block body %}
4 {% if editmode %}
5 <h1>Add new Hotel</h1>
6 {% else %}
7 <h1>modify Hotel</h1>
8 {% endif %}
9 {{ form_start(formhotel) }}
10 {{ form_row(formhotel.name) }}
11 {{ form_row(formhotel.image) }}
12 <label for="pet-select">Choose a your category:</label>
13 <select name="category" id="hotel-select">
14     <option value="">--Please choose the category--</option>
15     <option value="hotel">hotel</option>
16     <option value="alternative"> alternative</option>
17     <option value="hostel">hostel</option>
18     <option value="lodge">lodge</option>
19     <option value="resort">resort</option>
20     <option value="guest-house">guest-house</option>
21 </select>
22 {{ form_row(formhotel.price) }}
23 {{ form_start(formlocation) }}
24 {{ form_widget(formlocation) }}
25 {{ form_end(formlocation) }}
26 {{ form_end(formhotel) }}
27 {% endblock %}
```



```
3 {% block title %}Hello Hotelier!{% endblock %}
4
5 {% block body %}
6 <style>
7     .example-wrapper { margin: 1em auto; max-width: 800px; width: 95%; font: 18px/1.5 sans-serif; }
8     .example-wrapper code { background: #F5F5F5; padding: 2px 6px; }
9 </style>
10
11 <div class="example-wrapper">
12     <h1>ALL The Hotels! </h1>
13     {% for hotel in hotels %}
14     your files is {{ hotel.name }} </a>
15     <h2><a href="{{ path('Hotelform',{'id': hotel.id}) }}"> your Hotel is {{ hotel.name }}</h2><a>with the category: {{ hotel.category }}
16     <p></p>
17     <h2>Rating</h2>{% for location in hotel.locations %}
18     <h3>{{ location.city }} || {{ location.state }} || {{ location.country }} || {{ location.zipcode }} </h3>{% endfor %}
19     <p>
20
21     <p><a href="{{ path('Hotelform') }}">you can add new Hotel here</a></p>
22 {% endfor %}
23 {% endblock %}
24
```

Examples Of constraints where I use validator:



@Assert\Url() => is going to check is the input if a valid URL

@Assert\LessThanOrEqual() => is going to keep our reputation always <= 1000

@Assert\NotBlank() => is going to check if the input is not empty

And I used as well:

@Assert\NotEqualTo() => is going to check if the input is not equal to value which is in the project is the hotel names like Free, Offer, Book, Website

