

Description :

The domain is : Hotel system is manage services, such as booking reservations, .guest check-in/checkout, room assignment, managing room rates ,and billing

1- EmployeeHotel Model:

@NotNull(message = "Room Cant be null ")

@Pattern(regex = "VIP|Suit|VIP-Non-smoking |Suit-Non-smoking")

@Size (min = 5,message = "Room length must be at least 5")

private String room;

Room can not null , it has 4 classes { VIP or Suit and both of them has Non-smoking room}, and its length must be more 5

```
@NotNull(message = "Room Cant be null ")@Pattern(regex = "VIP|Suit|VIP-Non-smoking |Suit-Non-smoking")
@Size(min = 5,message = "Room length must be at least 5")
private String room;
```

@Min(2)

@Max(5)

@NotNull(message ="Capacity Can not null")

private int capacity;

Capacity can not null, it has range between 2 and 5

```
@Min(2)@Max(5)@NotNull(message ="Capacity Can not null" )
private int capacity;
```

@FutureOrPresent(message = "Book now or later ")

private LocalDate checkin;

@FutureOrPresent(message = "Checkout now or later ")

private LocalDate checkout;

checkin and checkout have to book now or later

```
@FutureOrPresent(message = "Book now or later ")
@JsonFormat(pattern = "yyyy-mm-dd")
private LocalDate checkin;
@FutureOrPresent(message = "Checkout now or later ")
```

```
@JsonFormat(pattern = "yyyy-mm-dd")
private LocalDate checkout;
```

@Max((long) 0.2)

@Positive(message = "Positive number")

private double discount;

Discount must be maximum 20% and Positive

```
@Max((long) 0.2)
@Positive(message = "Positive number")
private double discount;
```

@NotNull(message = "Room number can not null")

@Min(1)@Max(100)

private int roomNum;

each room has num must be range between 1 and 100 and can not be null

```
@NotNull(message = "Room number can not null")
@Min(1)@Max(100)
private int roomNum;
```

@Min(100)@Max(500)

@NotNull(message = "Room Insurance can not be null")

private double roomInsurance;

Each room has Insurance it can not null, and range between 100 and 500

```
@Min(100)@Max(500)
@NotNull(message = "Room Insurance can not be null")
private double roomInsurance;
```

@NotNull(message = "Price can not null")

@Min(600)@Max(3000)

private double price;

Price can not be null, and range between 600 and 3000

```
@NotNull(message = "Price can not null")
@Min(600)@Max(3000)
private double price;
```

2-Service Model

@Pattern(regexp = "Laundry|Car rental|Valet parking|Room service (24-hour)")

@NotNull(message = "service cant be null")

private String services;

service cant be null and match the pattern Laundry|Car rental ,Valet parking or Room service (24-hour)"

```
@Pattern(regexp = "Laundry|Car rental|Valet parking|Room service (24-hour)")
@NotNull(message = "service cant be null")
private String service;
```

3-Hotel Model

@NotNull(message = "total Room can not be null")

@Min(50)@Max(100)

private int totalRoom;

totalRoom can't be null and in the range 50-100

```
@NotNull(message = "total Room can not be null")
@Min(50)@Max(100)
private int totalRoom;
```

@NotNull(message = "subscribeCompany cant be null")

@Size(min = 10)

private String subscribeCompany;

Subscribe Company can't be null and length minimum 10;

```
@NotNull(message = "subscribeCompany cant be null")
@Size(min = 10)
private String subscribeCompany;
```

@NotNull(message = "Hotel name can not be null")

@Size(min = 10)

@Pattern(regexp = "[a-zA-Z]+",message = "Hotel Name Must contain only characters (no numbers)")

private String hotelName;

hotel name can not be null , length minimum 10 and match pattern

```
@NotNull(message = "Hotel name can not be null")
@Size(min = 10)
@Pattern(regexp = "[a-zA-Z]+",message = "Hotel Name Must contain only
characters (no numbers)")
private String hotelName;
```

@Email@NotNull(message = "Email can not be null")

@Pattern(regexp = "[1-9][a-z]]@hotel\\.com\$")

private String Email;

Email must be not null and has @

```
@Email@NotNull(message = "Email can not be null")
@Pattern(regexp = "[1-9][a-z]]@hotel\\.com$")
private String Email;
```

```
@NotNull(message = "Phone can not be null")@Pattern(regexp = "^011\\d{8}$")
```

```
private String Phone;
```

phone can not be null, and start with 011

```
@NotNull(message = "Phone can not be null")@Pattern(regexp = "^011\\d{8}$")
private String Phone;
```

```
@NotNull(message = "TotalClub Can not null ")@Max(3) @Min(1)
```

```
private int TotalClub;
```

total culb can not be null and in the range 1-3

```
@NotNull(message = "TotalClub Can not null ")@Max(3)@Min(1)
private int TotalClub;
```

```
@NotNull(message = "totalRestaurant can't be null")@Max(4)@Min(1)
```

```
private int totalRestaurant;
```

total Restaurant must be not null , and in the range 1-4

```
@NotNull(message = "totalRestaurant cant be null")@Max(4)@Min(1)
private int totalRestaurant;
```
