

# ***Sahaty Website***

*Sahaty is (my health) in English. Sahaty is a website that offers many health-related services to patients and the medical staff of Saudi Arabia.*

*The patient can book an appointment, access their health record, and much more.*

*While the medical staff can manage the patient appointment, access the patients' records, and collaborate with the facilities.*

*In addition, for the medical facilities, they can manage their staff and resources and offer emergency services, etc...*

*The following models are based on my personal point of view.*

## ***The patient***

*Patient has the following attributes: id, name, email, phone number, gender, creation date, and update date*

- *Id*

- ```
@NotNull(message = "id cant be null ")
@Max(value=11 , message =" the id must contain 11 digits ")
@Positive(message = "The numbers must be positive ")
```

- *Name*

- ```
@NotEmpty (message = "" the name cant be empty "")
@Size (min = 10 , max=50 , message =""ensure that the name length is at
least 10 latters and at most 50 latters ")
@Pattern (regexp = "[a-zA-Z ]+$", message =""The name should only
contains letters"" )
```

- *Email*

- ```
@Email(message = "Please enter the email in the correct format")
@NotBlank(message = "the email should not be blank")
```

- *Phone\_number*

- ```
@Pattern(regexp = "^05-[0-9]{8}$", message = "The phone number must start
with 05 and contains 10 number ex: 0554603625")
```

- *Gander*

```
@NotEmpty (message ="The gander can not be empty")
@Pattern(regexp = "(Male|Female)$",message ="gander can only be 'male' or
'female'")
```

- *Creation\_date*

```
@JsonFormat(pattern = "yyyy-MM-dd")  
@PastOrPresent(message = "should be a date in the present or the past.")
```

- *Update\_date*

```
• @JsonFormat(pattern = "yyyy-MM-dd")  
• @PastOrPresent(message = "should be a date in the present or the past.")
```

## The Medical Staff

Medical staff has the following attributes: *staff\_ID*, *name*, *role*, *specialization*, *license\_Number*, *phone number*, *email*, *facility\_ID*, *gander*, *creation date* and *update date*

- *staff\_ID*

- ```
@NotNull(message = "id cant be null ")
@Max(value=11 , message = " the id must contain 11 digits ")
@Positive(message = "The numbers must be positive ")
```

- Name

- ```
@NotEmpty (message = "" the name cant be empty "")
@Size (min = 10 , max=50 , message =""ensure that the name length is at
least 10 latters and at most 50 latters ")
@Pattern (regexp = "[a-zA-Z ]+$", message =""The name should only
contains letters"" )
```

- Role

- ```
@NotBlank(message = "the Role should not be blank")
@Size (min = 10 , max=50 , message =""ensure that the Role length is at
least 5 latters and at most 10 latters ")
```

- *Specialization*

- ```
@NotEmpty (message = "" the specialization can not be empty "")
@Size (min = 10 , max=50 , message =""ensure that the specialization
length is at least 5 latters and at most 10 latters ")
```

- *license\_Number*

- ```
@NotEmpty (message = "" the license number can not be empty "")
@Pattern (regexp = "^(MD|DO|PA|NP)\\d{6}$", message invalid medical •
license number format " )
```

- Email

- `@Email(message = "Please enter the email in the correct format")`
- `@NotBlank(message = "the email should not be blank")`

- *Phone\_number*

- `@NotEmpty (message = "" the phone number can not be empty "")`
- `@Pattern(regexp = "^05-[0-9]{8}$", message = "The phone number must start with 05 and contains 10 number ex: 0554603625")`

- *facility\_ID*

- `@NotBlank(message = "the facility id should not be blank")`
- `@Min (value = 5 ,message = ""ensure that the Role length is at least 5 latters and at most 10 latters "")`

- *Gander*

```
@NotEmpty (message = "The gander can not be empty")
@Pattern(regexp = "(Male|Female)$", message = "gander can only be 'male' or 'female'")
```

- *Creation\_date*

```
@ (pattern = "yyyy-MM-dd")
@NotEmpty (message = "The date can not be empty")
@PastOrPresent (message = "should be a date in the present or the past.")
```

- *Update\_date*

- `@NotEmpty (message = "The date can not be empty")`
- `@PastOrPresent (message = "should be a date in the present or the past.")`

## ***The Medical facility***

*Medical facility has the following attributes facility\_ID, name, license\_Number, phone\_number.*

- *facility\_ID*

- `@NotBlank(message = "the facility id should not be blank")`
- `@Min (value = 5 ,message =""ensure that the Role length is at least 5 latters and at most 10 latters "")`

- *Name*

- `@NotEmpty (message = "" the name cant be empty "")`  
`@Size (min = 10 , max=50 , message =""ensure that the name length is at least 10 latters and at most 50 latters "")`  
`@Pattern (regexp = "[a-zA-Z ]+$", message =""The name should only contains letters"" )`

- *license\_Number*

- `@NotEmpty (message = "" the license number can not be empty "")`
- `@Pattern (regexp = "^"[A-Z]{2}\\d{6}$", message invalid medical • license number format " )`

- *Phone\_number*

- `@NotEmpty (message = "" the phone number can not be empty "")`
- `@Pattern(regexp = "^01-[0-9]{8}$", message = "The phone number must start with 05 and contains 10 number ex: 0114603625")`