

Hospital System

Use : spring web , Lombok , Validation .

Create : Hospital Model , Hospital Controller .

Health Model has : ID , Name , Age ,PhoneNumber , Position , ScheduleForOFF ,
AppointmentsDay , AppointmentsHour , Salary .

Validation :

- ID :

@NotEmpty(message = "cannot be empty ").

@Size(min = 2 , message = "Length must be more than 2 characters ")

- Name :

@NotEmpty(message = "cannot be empty ").

@Size(min = 3 , message = " Length must be more than 3 characters ")

@Pattern(regexp = "[a-zA-Z]" , message = "only characters")

- Age :

@NotNull(message = "age should not empty ")

@Min(value = 26 , message = "your age must be more than 26")

@Positive(message = "positive number only")

- PhoneNumber :

@NotNull(message = "please enter your phone number")

@Pattern(regexp = "^05?[0-9]{10}+\$")

@Positive(message = "positive number only")

- Position :

@NotEmpty(message = "please enter your Position")

@Pattern(regexp = "^(SUPERVISOR|DOCTOR|NURSE)\$" , message = "your position must be either SUPERVISOR , DOCTOR , NURSE ")

- ScheduleForOFF :

@NotEmpty(message = "please enter the off day")

@FutureOrPresent(message = "must be a valid day")

@JsonFormat(pattern = "yyyy-MM-dd")

- AppointmentsDay :

@NotEmpty(message = "please enter your appointments day")

@FutureOrPresent(message = "must be a valid appointments ")

@JsonFormat(pattern = "yyyy-MM-dd")

- AppointmentsHour :

@NotNull(message = "please enter your appointment hour ")

@Positive(message = "positive number only")

- Salary :

@NotNull(message = "please enter your salary")

@Min(value = 4500 , message = "please enter a correct salary")

@Positive(message = "positive number only")

Hospital Controller Endpoint :

- 1-** Get all employees : Get all employees: Retrieves a list of all employees.
- 2-** Add a new employee: Adds a new employee to the system.
- 3-** Update an employee: Updates an existing employee's information.
- 4-** Delete an employee: Deletes an employee from the system.
- 5-** Search employee by position : Search for the employee, whether he is a doctor, nurse, or supervisor .
- 6-** Get employee by off day : Show employees who are on day off .
- 7-** Apply for ScheduleForOFF : Amendment to the day off schedule by SUPERVISOR .

Note :

- a- Verify that the employee exists.
 - b- The employee must not have taken a day off this week.
- 8-** Modify today's appointments : Add or delete appointments from the schedule .
 - 9-** Get all appointments by position .
 - 10-** Get Salary by ID .