

## Domain: Healthcare

### Model 1: Patient

@NotEmpty

@Size(min=3, message="The ID must be more than 2 characters.")

ID

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

@Size(min=5, message="The name must be at least 5 characters long.")

@Pattern(regex="[a-zA-Z\\s]+\$", message="The name can only contain letters and spaces.")

Name

@NotNull

@Past(message="The date of birth must be in the past.")

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

Date of Birth

@NotEmpty(message="The national ID cannot be empty.")

@Pattern(regex="[0-9]{10,16}\$", message="The national ID must be between 10 and 16 digits.")

National ID

@NotEmpty(message="The phone number cannot be empty.")

@Pattern(regex="05\\d{8}\$", message="The phone number must start with '05' and be 10 digits long.")

Phone Number

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

Address

### Model 2: MedicalRecord

@NotEmpty

@Size(min=3, message="The ID must be more than 2 characters.")

ID

@NotEmpty(message="The patient ID cannot be empty.")

Patient ID

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

@Size(min=5, message="The diagnosis must be at least 5 characters long.")

Diagnosis

@NotNull

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

Record Date

## Notes

### Model 3: Appointment

@NotEmpty

@Size(min=3, message="The ID must be more than 2 characters.")

ID

@NotEmpty(message="The patient ID cannot be empty.")

Patient ID

@NotEmpty(message="The doctor ID cannot be empty.")

Doctor ID

@NotNull(message="The appointment date and time cannot be null.")

@FutureOrPresent(message="The appointment date and time must be in the future or present.")

@JsonFormat(pattern="yyyy-MM-dd'T'HH:mm:ss")

Appointment DateTime

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

@Pattern(regexp="^(scheduled|completed|cancelled)\$", message="The status must be 'scheduled', 'completed', or 'cancelled'.")

Status