Cinema system

Cinema system designed to manage services such as cinema booking, hall reservations, movies, and registrations.

1- Cinema Model:

CinemaHalls

- — Cienma halls should not be Null!
- — Length must be more than 1 number.
- — You Must enter numbers Only

Cinema Name:
- — Cienma Name should not be Empty
- — Length must be more than 4 characters.
- - Cinema Name Must contain characters only!

Cinemal d:
- — Cienma Id should not be Empty
- — Id Length must be more than 1 character

```java
@NotNull(message = "Cienma halls should not be Empty!")
@Min(value = 1)
@Max(value= 5)
@Positive(message= "You Must enter numbers Only!")
private int CinemaHalls;

@NotEmpty(message = "Cienma Name should not be Empty!")
@Size(min=5)
@Pattern(regexp="^[a-zA-Z]*$", message ="Cinema Name Must contain characters only!" )
private String CinemaName;

@NotEmpty(message = "Cienma Id should not be Empty!")
@Size(min=1, max=11, message = "Id Length must be more than 1 character!")
private String CinemaId;
```

2- Customer Model:

Customer First Name:
- Customer First Name should not be Empty
- Name Must contain characters only
- Length must be more than 4 characters.

Customer Last Name :
- Customer Last Name should not be Empty!
- Name Must contain characters only.
- Length must be more than 4 characters.

Customer Phone Number:
- Phone number cannot be Empty.
- Must start with 05, consists of exactly 10 digits

Customer Email:
- email should not be Empty.

Customer Password:
- password should not be empty.

Birthdate:
- Birth date cannot be Empty.

Age:
- Age should not be Empty.
- Age must be more than 17
- Numbers Only.

```java
@NotEmpty(message= "Customer First Name should not be Empty!")
@Pattern(regexp="^[a-zA-Z]*$", message ="Name Must contain characters only (no numbers)!" )
@Size(min=5,max=10)
private String customerFirstName;

@NotEmpty(message= "Customer Last Name should not be Empty!")
@Pattern(regexp="^[a-zA-Z]*$", message ="Name Must contain characters only (no numbers)!" )
@Size(min=5,max=10)
private String customerLastName;

@NotEmpty(message = "Phone number cannot be Empty!")
@Pattern(regexp = "^05\\d{8}$",message = "Must start with 05, consists of exactly 10 digits")
private String customerPhoneNumber;

@NotEmpty(message= "email should not be Empty!")
@Email
private String customerEmail;

@NotEmpty(message = "password should not be EMPTY!")
@Pattern(regexp= "^(?=.*[A-Za-z])(?=.*\\d)(?=.*[@$!%*#?&])[A-Za-z\\d@$!%*#?&]{8,}$")
private String customerPassword;

@NotEmpty(message = "Birth date cannot be Empty!")
@JsonFormat(pattern="yyyy-MM-dd")
@PastOrPresent
private LocalDate Birthdate;

@NotNull(message = "Age should not be Empty!")
@Min(value =18)
@Max(value= 90)
@Positive(message= "You must enter positive numbers Only!")
private int age;
```

3- Reservation Model:

Time:
- Time cannot be empty
- Time must be in a specific format

Date:
- Date cannot be empty
- Date must be in a specific format

Name:
- Name cannot be empty
- Name must contain character only
- Name length must be more than 4

ReservationCode:

- Reservation code cannot be be empty
- Reservation code must contains only number and characters
- Reservation code length must be more than 0

```java
@NotNull(message = "Time cannot be empty!")
@Pattern(regexp = "^([01]\\d|2[0-3]):([0-5]\\d)$", message = "Time must be in the format HH:mm")
private LocalTime Time;

@NotEmpty(message = "date cannot be Empty!")
@JsonFormat(pattern="yyyy-MM-dd")
@FutureOrPresent
private LocalDate date;

@NotEmpty(message= "Name should not be Empty!")
@Pattern(regexp="^[a-zA-Z]*$", message ="Name Must contain characters only (no numbers)!" )
@Size(min=5,max=10)
private String name;

@NotEmpty(message= "Name should not be Empty!")
@Pattern(regexp = " ^[a-zA-Z0-9]+$" , message = "Code consist of characters and numbers.")
@Size(min=1,max=6)
private String ReservationCode;
```

4- Movie Model:

Decription:

- Description should not be Empty
- Length must be more than 14.

location:
- Location should not be Empty
- Length must be more than 4

Date:
- Date cannot be Empty!

Movie Id:
- Movie Id should not be Empty
- Length must be more than 0

Show Time:

- Show Time cannot be empty.
- Show Time must be in the format HH:mm.

```java
@NotEmpty(message= "Description should not be Empty!")
@Size(min=15,max=30)
private String decription;

@NotEmpty(message= "location should not be Empty!")
@Size(min=5,max=30)
private String location;

@NotEmpty(message = " date cannot be Empty!")
@JsonFormat(pattern="yyyy-MM-dd")
@FutureOrPresent
private LocalDate date;

@NotEmpty(message = "Movie Id should not be Empty!")
@Size(min=1, max=11)
private String movieId;

@NotNull(message = "Time cannot be empty!")
@Pattern(regexp = "^([01]\\d|2[0-3]):([0-5]\\d)$", message = "Show Time must be in the format HH:mm")
private LocalTime showTime;
```