School Management System

The School Management System is a comprehensive application designed to streamline administrative and academic operations within educational institutions such as schools . The system enables efficient management of teachers, students, classes.

Teachers Mode:

Teachers Model has: ID , name, email , phoneNumber ,age, date and address.

Validation:

1. ID :

@NotNull(message = "The 'ID' must be NOT Null")

   @Min(value = 2, message = "The 'ID' must be more than 2 characters")

2. Name:

@NotNull(message = "The 'Name' must be NOT Null")

@   Size(min = 2, max = 200, message = "The 'Name' must be more than 4 characters")

 @Pattern(regexp = "^[a-zA-Z]+$", message = "3.The 'Name' Must contain only characters ")

4. Email:

    @NotNull(message = "The "Email"5. must be NOT Null")

    @Email()

6. Age:

@   NotNull(message = "The 'Age' must be NOT Null")

@   Positive

   @Min(value = 26, message = "The 'Age' must be more than 25")

7. Date:

@NotNull(message = "The Date' must be NOT Null")

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

   @FutureOrPresent

8. Address:

@NotNull(message = "The Date' must be NOT Null")

Students Mode:

Teachers Model has: ID , name, email , phoneNumber ,age, date and address.

Validation:

1. ID :

@NotNull(message = "The 'ID' must be NOT Null")

   @Min(value = 2, message = "The 'ID' must be more than 2 characters")

2. Name:

@NotNull(message = "The 'Name' must be NOT Null")

@   Size(min = 2, max = 200, message = "The 'Name' must be more than 4 characters")

 @Pattern(regexp = "^[a-zA-Z]+$", message = "The 'Name' Must contain only characters ")

3. Email:

   @NotNull(message = "The "Email"4. must be NOT Null")

   @Email()

5. Age:

@   NotNull(message = "The 'Age' must be NOT Null")

@   Positive

   @Min(value = 6, message = "The 'Age' must be more than 5")

6. Date:

@NotNull(message = "The Date' must be NOT Null")

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

   @FutureOrPresent

7. Address:

   @NotNull(message = "The Date' must be NOT Null")

class Mode:

Teachers Model has: class ID, class name, teacher assigned, student list, and schedule..

Validation:

1. Id

@NotNull(message = "The 'ID' must be NOT Null")

@Min(value = 1, message = "The 'ID' must be at least 1")

2. Name

@NotNull(message = "The 'Name' must be NOT Null")

@Size(min = 2, max = 100, message = "The 'Name' must be between 2 and 100 characters")

3. Teacher

@NotNull(message = "The 'Teacher' must be assigned")

4. Students

@NotEmpty(message = "The class must have at least one student")

5. Schedule

@NotNull(message = "The 'Schedule' must be defined")