

Education : Students , instructors , Building

Summary:

This education management system helps schools and universities organize students, teachers, and buildings. It keeps student records, like names, emails, and schedules, in an easy and clear way. For Instructors , the system saves important details such as their job title, subjects they teach, and office numbers. It also manages buildings by keeping track of their names, locations, and the number of classrooms. With simple rules to check the information, the system makes school management easier, reduces mistakes, and helps everything run smoothly.

1- Create: Student Model

1-StudentID:

- Cannot be null.
- Length must be more than 6 characters.
- Must start with 25 if have new student register in 2025

2- FirstName:

- Cannot be empty .
- Length must be more than 2 characters.
- Must contain only characters.

3- LastName:

- Cannot be empty.
- Length must be more than 2 characters.
- Must contain only characters.

4- Email:

- Must be a valid email format.

5- PhoneNumber

- Must start with "+966" or "05"
- Must consist of exactly 10 digits
- Cannot be null.

6- Major:

- Cannot be null
- Must be "Bachelors"

7- SupervisorOfStudent:

- Cannot be null
- Length must be more than 2 characters.
- Must contain only characters.

8- Age :

- Cannot be null.
- Must be a number.
- Must be more than 18.

9- Graduate:

- Cannot be null.
- Must be initially set to false.

10- Schedule :

- Cannot be null.
- Length must be more than 6 characters.
- Must be know building

2-Create : Instructors Model

1- InstructorsID:

- Cannot be null.
- Length must be more than 6 characters.

2- FirstName:

- Cannot be empty .
- Length must be more than 2 characters.
- Must contain only characters.

3- LastName:

- Cannot be empty .
- Length must be more than 2 characters.
- Must contain only characters.

4- Position:

- Cannot be null.
- Must be either "Master" or "PhD" or "Professor".

5- Age:

- Cannot be null.
- Must be a number.
- -Must be more than 25.

6- SpecializedInTeaching:

- Cannot be null.

7- Subject:

- Cannot be null.

8- OfficeNumber:

- Cannot be null.
- Must be a valid office number (e.g., "B-102", "C-304").

9- Email:

- Must be a valid email format.

10- PhoneNumber:

- Must star with "+966" or "05"
- Must consists of exactly 10 digits
- Cannot be null.

3- Create: Building Model

1- BuildingID:

- Cannot be null.
- Must be unique

2- BuildingName:

- Cannot be empty.
- Must be a known name.

3- NumberOfClasses:

- Cannot be null.
- Must be number

4- Location:

- Must specify a valid location.

Name : Abdullah Ali Alzubaidi