**Requirements for Student’s Management**

**Requirement 1**: This are the requirements of Student’s management console. This console can be used to handle the student’s information by searching, adding, deleting, and updating functions. The optional number for each function will be automatically generated in the console.

**Requirement 2:** Creating function

**Fields:**

* ***Id***: It is a mandatory field
* This field can only accept numeric values
* ***Nam***e: It is a mandatory field
* This field can accept only Alphabetic data of maximum 30 characters
* ***DOB***: It is a mandatory field
* This field can accept only date data in format DD/MM/YYYY
* ***Gender:*** It is a mandatory field
* This field can accept only Alphabetic characters.
* The current values available in database are: Male and Female
* ***Email***: It is a mandatory field
* This field can accept Mix of Alphanumeric and special characters in a valid Email format.
* ***Score***: It is a mandatory field
* This field can only accept numeric characters with the values between 0 and 10

**Result:**

* After entering the necessary details, the system validates the date
* If valid: The system responds with the message that “Create successfully”
* If the data is invalid, appropriate Error Message will be displayed after each field

**Requirement 3**: Edit function

**Fields:**

* ***Id:*** It is a mandatory field
* This field can only accept numeric values
* ***Name****:* It is a mandatory field
* This field can accept only Alphabetic data of maximum 30 characters
* ***DOB:*** It is a mandatory field
* This field can accept only date data in format DD/MM/YYYY
* ***Gender:*** It is a mandatory field
* This field can accept only Alphabetic characters.
* The current values available in database are: Male and Female
* ***Email:*** It is a mandatory field
* This field can accept Mix of Alphanumeric and special characters in a valid Email format.
* ***Score:*** It is a mandatory field
* This field can only accept numeric characters with the values between 0 and 10

**Result:**

* After entering the necessary details, the system validates the date
* If valid: The system responds with the message that “Update successfully”
* If the data is invalid, appropriate Error Message will be displayed after each field

**Requirement 4:** Deleting function based on student’s id

**Field:**

* ***Id:*** It is a mandatory field
* This field can only accept numeric values

**Result:**

* After entering student’s id, the system prompts the message “Do you want to delete this student (Yes/No)”.
* If yes, the system validates the require and respond the message “Delete successfully”
* If no, the system does not implement the require and immediately quit of the system

**Requirement 5**: Searching function based on student’s id

**Field:**

* ***Id:*** It is a mandatory field
* This field can only accept numeric values

**Result:**

* If valid, the system validates the require and display the information of student who the user want to search
* If invalid, appropriate Error Message will be displayed.

**Requirement 6:** View all student’s function

* In the main console, the list of option will be displayed

1. Create new student
2. Update student’s information
3. Delete a student
4. Search a student
5. Display all student
6. Quit

* After entering option “5”, all information of all students is displayed

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