**Assignment Task -01  
Create a CRUD Application**Develop a simple CRUD (Create, Read, Update, Delete) application using ASP.NET 7.0. The application should allow users to manage a list of "Tasks".

Task entity with the following properties:

* ID (int)
* Title (string)
* Description (string)
* DueDate (DateTime)
* Material (string) //Path of the material
* AttachmentsType (enum: doc, img)
* TaskCreatedDate(DateTime)
* TaskCreatedBy

Requirements:

1. Implement a database to store the tasks using Entity Framework Core.
2. Create a web interface with the following pages:
3. Implement validation for user input using data annotations.
4. Ensure data integrity and enforce business rules on user-submitted data.

**Authentication and Authorization:**

* Implement basic authentication using ASP.NET Core Identity or JWT tokens.
* Secure API endpoints and pages using role-based authorization.

**Task List Page**:

* Display a list of all tasks showing their titles, due dates, and materials.
* If the material is an image, display it using an <img> tag. Otherwise, show a doc icon for download or view document.
* Provide links to view, edit, and delete tasks.

**Task Details Page**: (view One Task)

* Show all properties of a selected task.

**Create Task Page :**

* Allow users to create a new task by providing a title, description, and due date, materials , AttachmentsType.

**Edit Task Page**:

* Allow users to edit the title, description, and due date, materials,AttechmentsType of a task.

1. Image or document path should be store on database material columns and material in current application folder (materials>Image/doc)
2. Use Razor Pages for the user interface.
3. Implement validation to ensure that task titles are unique and due dates are in the future.
4. Implement appropriate error handling and user-friendly messages. (optional)

Start date and time : 16-05-2024 4:30PM

End date and time : 17-05-2023 8:3fa0PM

**Do not take any help from chat GPT**