**Project Question**

**Description:**

You are tasked with creating a simple to-do list application that allows users to manage their tasks. The application should provide functionalities such as adding tasks, marking tasks as complete, and deleting tasks.

**Requirements:**

**Add Task:**

Implement functionality to allow users to add tasks to the to-do list.

**Mark Task as Complete:**

Enable users to mark tasks as complete once they are done.

**Delete Task:**

Allow users to delete tasks from the to-do list.

**Steps to be followed:**

Open your terminal or command prompt and navigate to the directory where you want to create your project. Then, create a new directory for your project:

**Step1:** Create a new .NET Core Web application using the .NET CLI:

**dotnet new webapi -n dotnetapp**

**Command to Build the project:**

**dotnet build dotnetapp.csproj**

**Platform Instructions:**

**To run the application on port 8080**

* Go to **Properties** -> **launchsettings.json** -> change applicationUrl under profiles object to "**http://0.0.0.0:8080**"

**To work with Entity Framework Core:**

**Install EF using the following commands:**

**dotnet new tool-manifest**

**dotnet tool install --local dotnet-ef --version 6.0.6**

**dotnet dotnet-ef** --To check the EF installed or not

**dotnet dotnet-ef migrations add "InitialSetup"** --command to setup the initial creation of tables mentioned in DBContext

**dotnet dotnet-ef database update** --command to update the database

**Commands to Run the Project:**

* **cd dotnetapp**

Select the dotnet project folder

* **dotnet restore**

This command will restore all the required packages to run the application.

* **dotnet run**

To run the application in port 8080 (The settings preloaded click 8080 Port to View)

* **dotnet build**

To build and check for errors

* **dotnet clean**

If the same error persists clean the project and build again

* **dotnet add package package\_name --version 6.0**

Any package if required you can install by the above command. The package that you are installing should support the .Net 6.0 version.

**Commands to add packages:**

* dotnet add package Microsoft.EntityFrameworkCore --version 6.0
* dotnet add package Microsoft.EntityFrameworkCore.SqlServer --version 6.0
* dotnet add package Microsoft.EntityFrameworkCore.Tools --version 6.0

**Note:**

1. Use the below sample connection string to connect the MsSql Server

 private string **connectionString**= "User ID=sa;password=examlyMssql@123; server=localhost**;**Database=appdb;trusted\_connection=false;Persist Security Info=False;Encrypt=False";

**Note :**

The project will not be submitted if "Submit Project" is not done atleast once