**Project 2 TaskKeeper Application**

**Description :**

This is a TaskKeeper application which allows any user to define and manage tasks with status of each task. This is a simple application which will demonstrate the learnings in the course FA2024-ITDEV-162-800 Client/Srvr & E-Commerce Impl. Primarily it will use same tech-stack taught in the course : SQLite as Database, HTML/CSS/Angular for Front-end and ASP.NET/C#.NET for back-end.

**Feature List :**

This application will provide following functionalities:

1. [Project goal feature] Getting all tasks
   1. Create GITHUB repository for the TaskKeeper application
   2. Create front-end client application in Angular
   3. Create back-end server application in (C#/ASP).NET and SQLite
   4. Define and create SQL database schema for SQLite using persistence features of C#.NET
   5. Populate seed data in the database to retrieve and render data models in front-end client
   6. Design and implement ng-modules for handling retrieving new task in client side application
   7. Design and implement C#.NET classes to retrieve task in server side application
   8. Implementation of code, error handling, and testing of the feature
   9. Iterative GITHUB repository commits and merges
2. [Project goal feature] Adding a new task
   1. Design and implement ng-modules for handling adding new task in client side application
   2. Design and implement C#.NET classes to adding new task in server side application
   3. Implementation of code, error handling, and testing of the feature
   4. Iterative GITHUB repository commits and merges
3. [Stretch goal feature] Updating a task
   1. Design and implement ng-modules for handling user operations for a task update in client side application
   2. Design and implement C#.NET classes for handling user operations for a task update in server side application
   3. Implementation of code, error handling, and testing of the feature
   4. Iterative GITHUB repository commits and merges
4. [Stretch goal feature] Deleting a task
   1. Design and implement ng-modules for task deletion in client side application
   2. Design and implement C#.NET classes for handling user operations for a task deletion in server side application
   3. Implementation of code, error handling, and testing of the feature
   4. Iterative GITHUB repository commits and merges

**Note** [Stretch goal feature]**:** as many of the learnings are still under progress, and Angular/Front-end technology learnings will decide the end-state, depending on the complexity, some features may or may not completely get finished and rather may have only back-end APIs implemented. But at the least user should be able to perform “Getting Tasks” and “Adding Tasks” operations successfully is the goal towards Project1 assignment completion.