**Challenge: Create a Simple Task List Application**

**Objective:** Build a simple API that allows users to create, read update, and delete Tasks. Tasks should have Sub Tasks that relate to the Task, and you should only be able to mark the Task as complete when all sub tasks are marked as complete. When reading the Tasks, the API should provide a count of the sub tasks.

**Requirements:**

1. Data store (Of your choice – SQL Express, SQL Lite, JSON) – to include Entities “Tasks”, and “Sub Tasks” **(The implementation and fields are your choice; however, Tasks and Sub Tasks must include a flag to show they are complete).**
2. Object Relationship Mapper (ORM) – Interactions with the data store must be through an ORM such as Entity Framework.
3. API – the API can either be .Net Minimal API, or .Net MVC API and should include Create, Get, Delete, and Update functions for the Task and Sub Task.
4. **Bonus Features (Optional):**
   * Use of Unit Tests
   * Ensuring Tasks can’t be deleted where sub tasks exist.
   * User Interface

**Guidelines:**

* Start by designing the two entities in an ORM
* Break down the project into layers (Data, Logic, API)
* Write clean, readable, and well-commented code that conforms to SOLID principals
* Test the application
* All code should be shared on GitHub or alternative Code Repository.

This challenge is to create good clean code that you can explain, where classes are well constructed and conform to SOLID principals. The key to success is more about the approach rather than the completed solution. Good luck! 🚀