

Angular Case Study Assignment

TaskManagerPro – Task and Project Management Tool

- **Purpose:** Allow users to manage projects, create tasks, assign users, and track progress.

Copilot-Driven Development Highlights

- Used Copilot to auto-generate: ProjectComponent, TaskComponent, and related services/modules.
- Reactive forms for dynamic task creation and validation.
- Applied Facade Pattern and SharedModule for organization.
- Enabled lazy loading and auto-generated HttpClient services with RxJS async handling.

Unit Testing

- Unit tests for services including observable HTTP mocks.

Documentation

- JSDoc for validators and services.
- Markdown-based user and developer guides.

Optimization

- Refactored large functions into smaller services.

Debugging

- HTTP error Interceptor and global error handler.
- LoggerService generated by Copilot.