**Angular 15 Project scenario** with **RxJS**, **Lifecycle Hooks**, **Route Guards**, **State Management**, and **HTTP Interceptors**. The project simulates a **Task Management System** where:

* Users can log in and view/manage tasks.
* Admins can also create/delete users.
* API calls are intercepted for JWT and loading spinner.(Optional)
* Components use lifecycle hooks and RxJS streams.
* State is managed using a simple service (or optionally NgRx if needed).

**🔧 Tech Stack**

* Angular 15
* RxJS
* Services for state management
* HTTP Interceptors
* Route Guards (Auth + Role-based)
* JSONPlaceholder/mock API

**🔍 Project Scenario**

**Scenario:**

You are building a **Task Manager App** with:

* **Login** page
* **Dashboard** for viewing tasks
* **Admin panel** for managing users
* Use route guards to protect routes based on login and role.
* Use RxJS for reactive task filtering.
* Use state management to maintain the current user and loading state.
* Show a loading spinner with an interceptor.
* Use lifecycle hooks to load initial data in components.