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Use case study Todo app:

A **To-Do App** is a simple yet powerful productivity tool designed to help users organize, manage, and track their tasks and activities efficiently. With an intuitive interface, the app allows users to create, edit, and categorize tasks, set deadlines, and prioritize important items.

Key features typically include:

- **Task Creation & Management:** Add tasks with titles, descriptions, and deadlines.
- **Prioritization:** Mark tasks as high, medium, or low priority.
- **Due Dates & Reminders:** Set deadlines and receive timely notifications to stay on track.
- **Task Categorization:** Group tasks by categories or labels for better organization.
- **Progress Tracking:** Mark tasks as complete or in-progress, helping users track their achievements.
- **Sync & Cloud Support:** Sync across multiple devices, ensuring your task list is always up-to-date.
- **User-friendly Interface:** Clean design with easy navigation to make task management stress-free.

Ideal for individuals, students, and professionals, this app keeps you focused, helps eliminate distractions, and ensures no task is forgotten. Whether you need a simple checklist or an advanced task manager, this app adapts to your needs.

Low coupling:

Low coupling help us to minimize the dependencies of classes with each other it can really help to implement in this use case e.g like doing any task like viewing notification or viewing task, set tasks, delete task could be handled separately

High Cohesion:

This principle promotes creating classes with a focused set of responsibilities. For example, a Task class could be responsible for managing task-related data and operations, while a User class handles user-specific information.

