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I implemented the following design patterns in the TaskManager project:

- **1. Command Pattern** Used for encapsulating operations as objects, enabling undo/redo functionality and command history tracking.
- **2. Observer Pattern** Implemented for notification services and statistics collection to react to command executions.
- **3. Singleton Pattern** Applied to repositories and managers to ensure single instances throughout the application.
- **4. Repository Pattern** Used for centralizing data access logic and abstracting storage implementation.
- **5. Memento Pattern** Implicitly used within the command pattern to capture and restore object states for undo operations.

Branch Link: https://github.com/Zenhance/SWE-4502/tree/Taki-46

THANK YOU