

CRUD Matrix for Task Manager Application

| Operation | Task | FileHandler | TaskController | TaskListView | TaskDetailView | TaskFormView |
|------------------|--------------|--------------------|-----------------------|---------------------|-----------------------|---------------------|
| Create | Yes (save) | Yes (write) | Yes (create_task) | No | No | Yes (render_form) |
| Read | Yes (read) | Yes (read) | Yes (read_tasks) | Yes (display) | Yes (display) | No |
| Update | Yes (update) | Yes (write) | Yes (update_task) | No | No | Yes (render_form) |
| Delete | Yes (delete) | Yes (delete) | Yes (delete_task) | No | No | No |

My Task Application uses a range of classes that provides methods for creating, reading, updating, and deleting tasks. The FileHandler class manages task data in a file, including writing, reading, updating, and deleting tasks. The TaskController class coordinates the task management process by handling task creation, retrieval, updating, and deletion. The TaskListView displays a list of tasks, while the TaskDetailView shows detailed information about individual tasks. The TaskFormView handles the creation and updating of tasks through form rendering but does not involve task retrieval or deletion. Each class serves a specific role in task management, with some focused on data manipulation and others on displaying or rendering task-related information. I like know how one handles Errors when drawing up diagrams for in a class sequence and how that fits within this model of CRUD.