

Project Title: Command Line To-Do Application

Objective

To create a simple command-line application in Java that allows users to manage their to-do tasks. Users can add, view, update, and delete tasks, all within a single runtime session.

Features

1. Task Management

- **Add Task:** Users can add a new task with a description.
- **View Tasks:** Users can view all tasks, displaying the task number, description, and completion status.
- **Update Task:** Users can update the description of an existing task.
- **Delete Task:** Users can delete a task from their to-do list.
- **Mark Task as Complete:** Users can mark a task as complete.

2. User Interaction

- **Command-Line Interface:** The application will provide a simple menu for users to interact with.
- **Input Validation:** Basic input validation to ensure users enter valid data (e.g., checking that task descriptions are not empty).

Possible Commands

1. **Add Task:** Type add "Buy groceries" to add a task.
2. **View Tasks:** Type view to display all tasks.
3. **Update Task:** Type update 1 "Buy groceries and snacks" to update the first task.
4. **Delete Task:** Type delete 1 to delete the first task.
5. **Mark as Complete:** Type complete 1 to mark the first task as complete.

Features to be used

- ArrayLists
- User Input
- Format text for output