

- Existing commands can be composed into macro commands
- Support for different types of receivers

Real-World Analogy

Think of a **restaurant ordering system**:

- Client:** Customer who places an order
- Invoker:** Waiter who takes the order to the kitchen
- Command:** Written order slip with all details
- ConcreteCommand:** Specific orders like "Burger Order", "Pizza Order"
- Receiver:** Kitchen staff who prepare the food

The waiter (invoker) doesn't need to know how to cook - they just pass the order (command) to the kitchen (receiver) who knows how to prepare the food.

Your Assignment Mapping

| Pattern Component | Your Implementation |
|-------------------|---|
| Client | <code>Main</code> class (handles user input) |
| Invoker | <code>CommandInvoker</code> class (manages execution & history) |
| Command | <code>Command</code> interface |
| ConcreteCommand | <code>AddCommand</code> , <code>UpdateCommand</code> , <code>DeleteCommand</code> , <code>ListCommand</code> , <code>UndoCommand</code> |
| Receiver | <code>DataStore</code> class (contains business logic) |

This structure ensures that your tool is flexible, maintainable, and follows object-oriented design principles while supporting the required undo functionality.