Exploring the Command Design Pattern

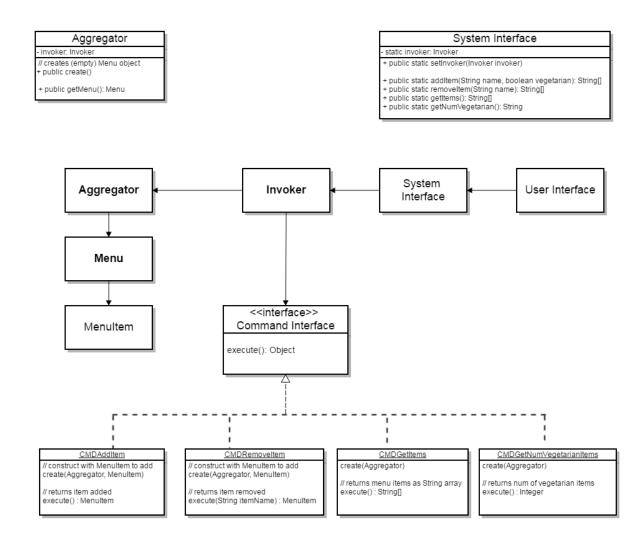
you are to implement the Command design pattern. Design a simple Menultem class that stores only two pieces of information - the name of a menu item, and whether it is a vegetarian dish or not. Then implement a Menu class that maintains a collection of Menultem objects (i.e., as an aggregator). The Menu class should have methods to allow menu items to be added and removed. It should also have a method that returns an array of strings containing all of the menu items so that they can be displayed. Finally, the Menu class should have a method that returns how many of the items on the menu are vegetarian dishes.

Design a simple text-based user interface that provides the following commands,

Main Menu

- 1 Add Item
- 2 Remove Item
- 3 Display Items
- 4 Display Number of Vegetarian Items

UML Diagram on following page



Menultem	
- description: String - vegetarian: Boolean	
+ public create(String name, Boolean veg) + public toString(): String + public isVecetarian(): Boolean	

	Menu	
- items: ArrayList		

- + public addltem(Menultem item): Menultem
- + public removeltem(String itemName): Menultem
- + public numVegetarian(): Integer + public getItems(): String[]