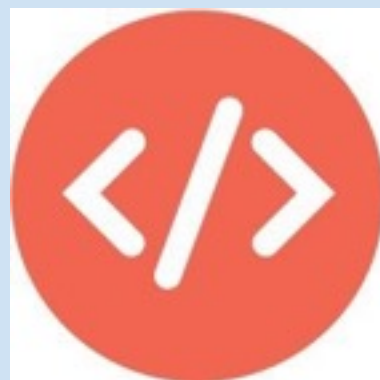




Jorge Benavides, Jwalin Maniar, Jianyi Chen, Ryan Kelley

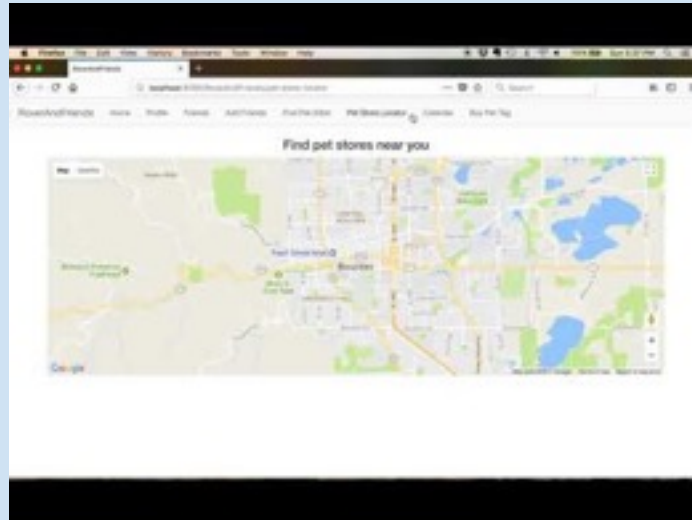


What is Rover&Friends?

- Rover&Friends allows users to Manage their pets by finding new friends and Pet Sitters.

Demo

<https://www.youtube.com/watch?v=rkqmswOl8XU&feature=youtu.be>



Simple Shopping Cart

ID	Requirement	Topic area	Actor	Priority
US-10	As a user, I want to be able to add pet tags to my shopping cart.	Purchase	User	Medium

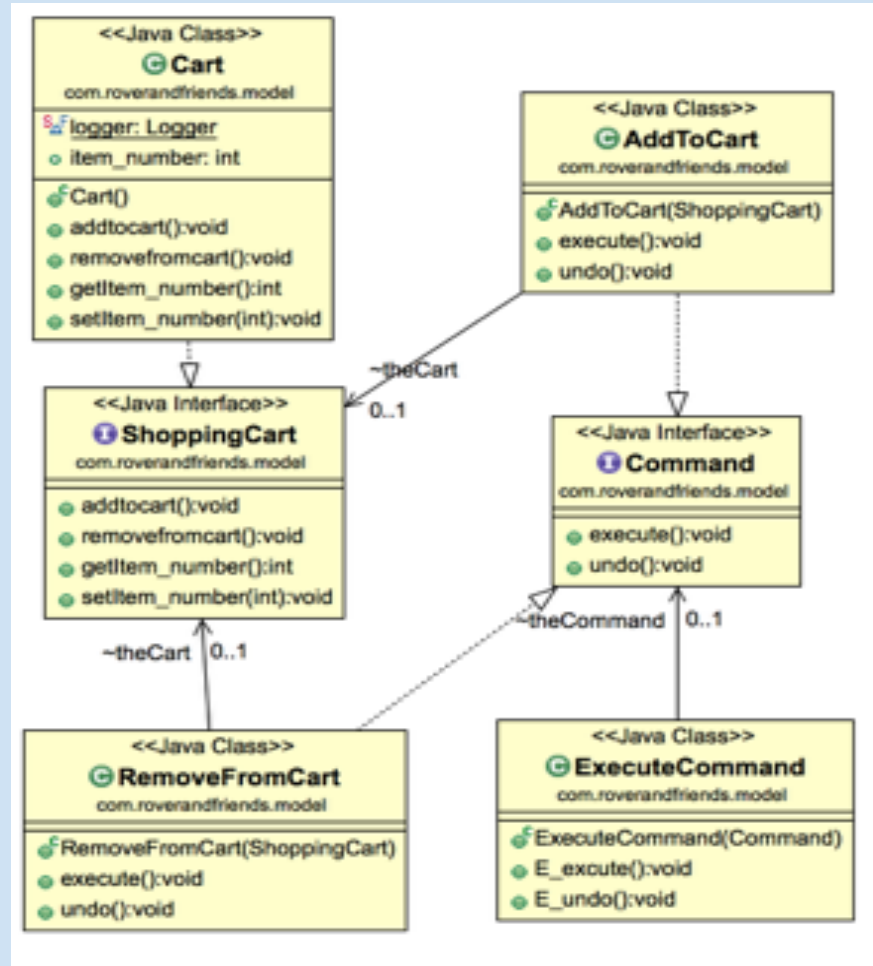
Command Design Pattern



Class Diagram For Command Design Pattern

Invoker - ExecuteCommand
E_execute
command - Command(AddToCart)
execute()
Receiver - Cart
addtocart

Pros:
Store multiple commands in class
Undo procedures for past commands



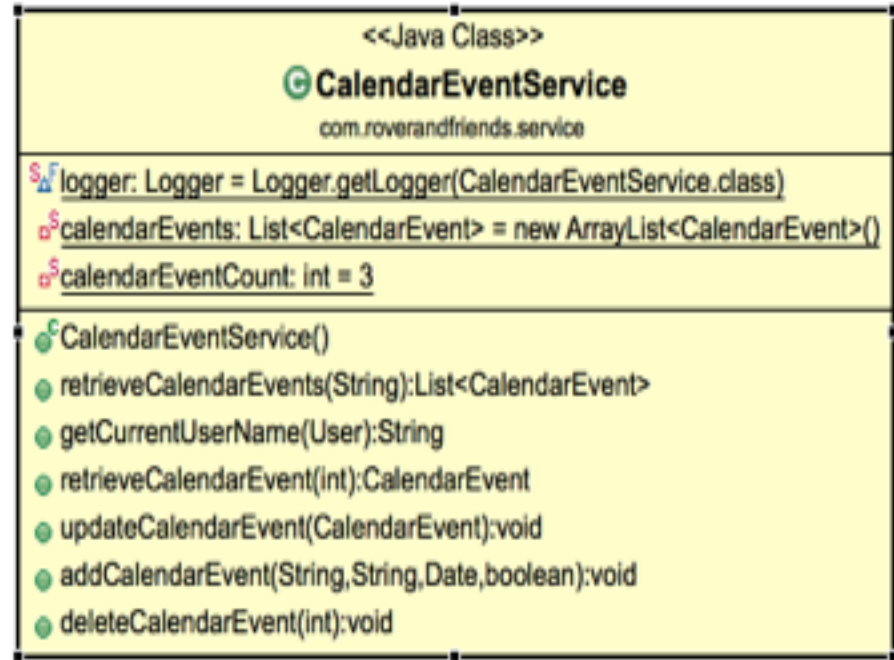
Add Event To Calendar

ID	Requirement	Topic area	Actor	Priority
US-12	As a user, I want to be able to add/ remove events from calendar.	Event	User	Low

Iterator Design Pattern

Class Diagram For Iterator Design Pattern

next() -> function



Show Friends List and Add Friend

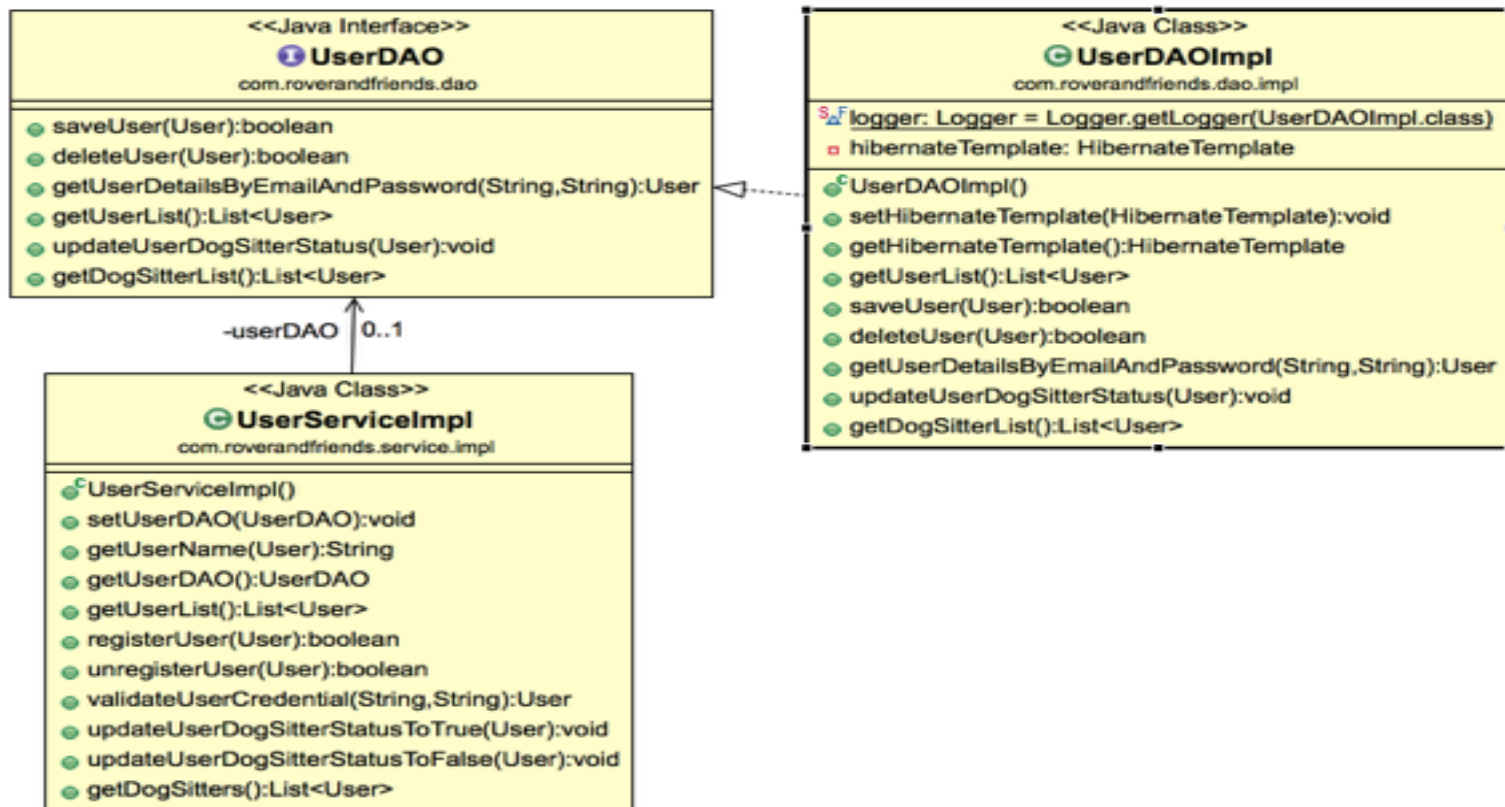
ID	Requirement	Topic area	Actor	Priority
US-06	As a user, I want to be able to view other people's' profile and add them to my friend list.	Friends List	User	Medium

Used mySQL to store information on the DB

Used Data Access Object design pattern to access information on DB

DAO pattern is not a GoF pattern but is in the Jave EE pattern catalog

Class Diagram For DAO Design Pattern



- DAO pattern separates low level data accessing API from high level business services
- DAO responsible for CreateReadUpdateDelete(CRUD)
- The isolation supports the single responsibility principle
- Based on abstraction and encapsulation design principles and protects the rest of the application from changes in the persistence layer

