PERSONAL ACTIVITY ASSISTANT

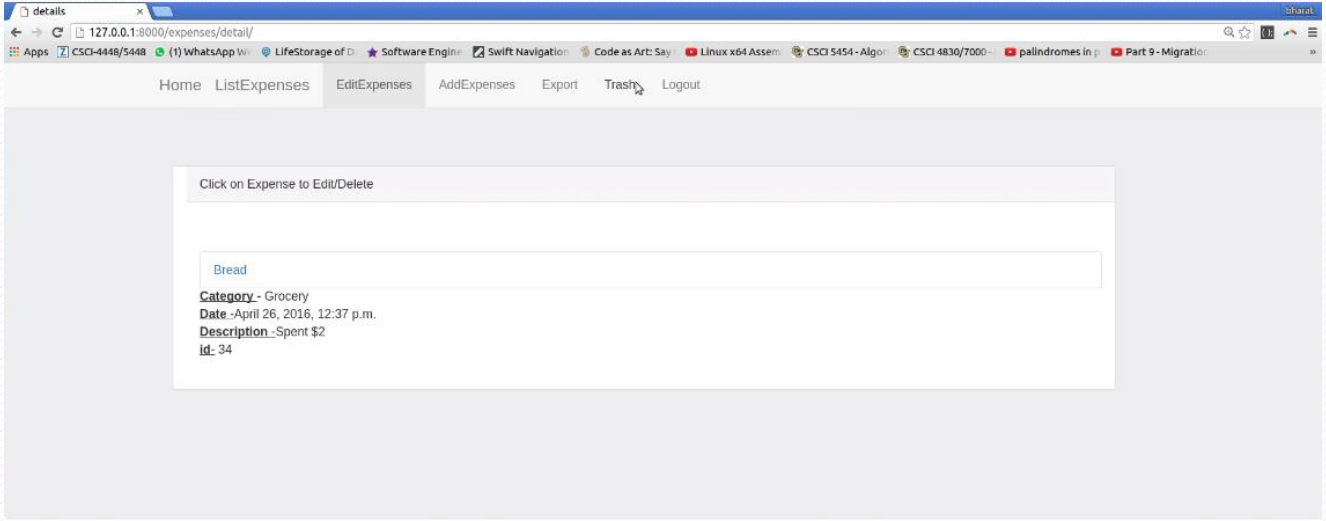
Bharat Nallan Chakravarthy
Megha Sree Yadla
Swati Patil

Contents

- Demo - 1
- Demo - 2
- Platform/Environment
- Design Pattern 1 - Command
- Design Pattern 2- Momento

Demo - 1

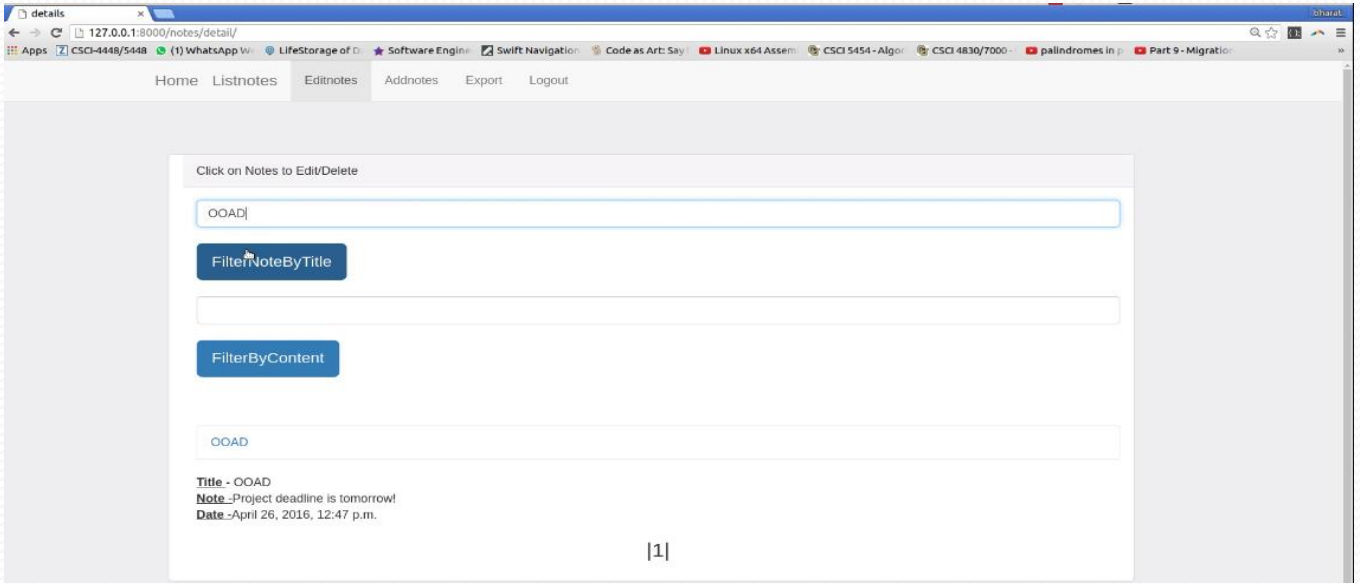
Searching Notes by title and by contents



Github link: https://github.com/bhna2713/CSCI-5448-OOAD-PROJECT-GROUP/blob/master/PersonalActivityAssistant_Video.mp4

Demo - 2

Undo Expenses



Github link: https://github.com/bhna2713/CSCI-5448-OOAD-PROJECT-GROUP/blob/master/PersonalActivityAssistant_Video.mp4

Platform/Environment

Initially, we thought that we would do a command line application. Later, we wanted to apply the concepts of ORM and also utilise the MVC architectural pattern by using views and templates. So, we decided to do a fully fledged web-application that will allow us to showcase all these patterns in an effective manner.We used these:

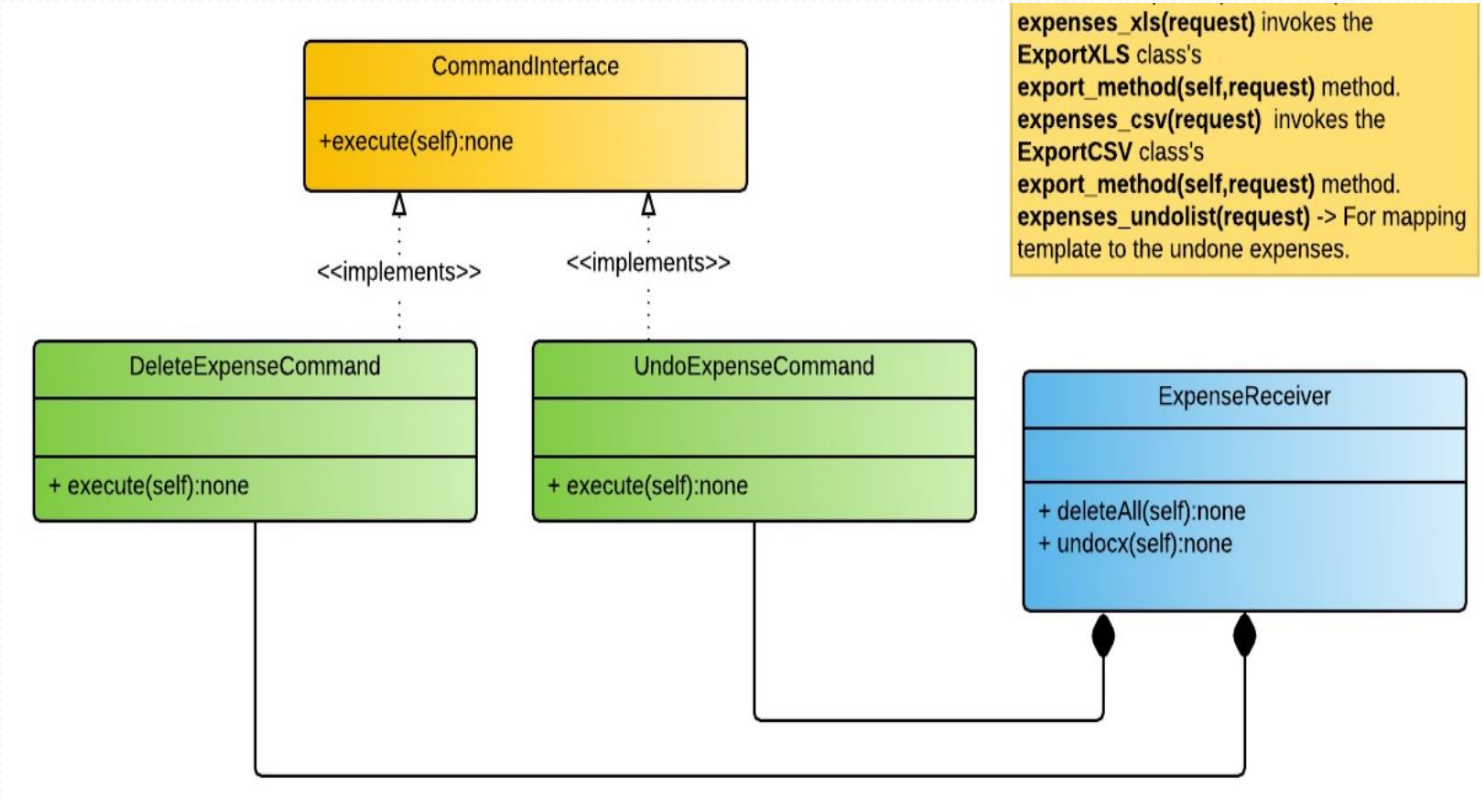
- Django Framework
- Sqlite database with Object Relational mapping
- Bootstrap, CSS, HTML and Jinja for templating

Design Pattern -1 Command

The command design pattern in our application is used to delete an expense, restore the deleted expense from the trash and also delete it permanently.

The class diagram of the command pattern is as shown below:

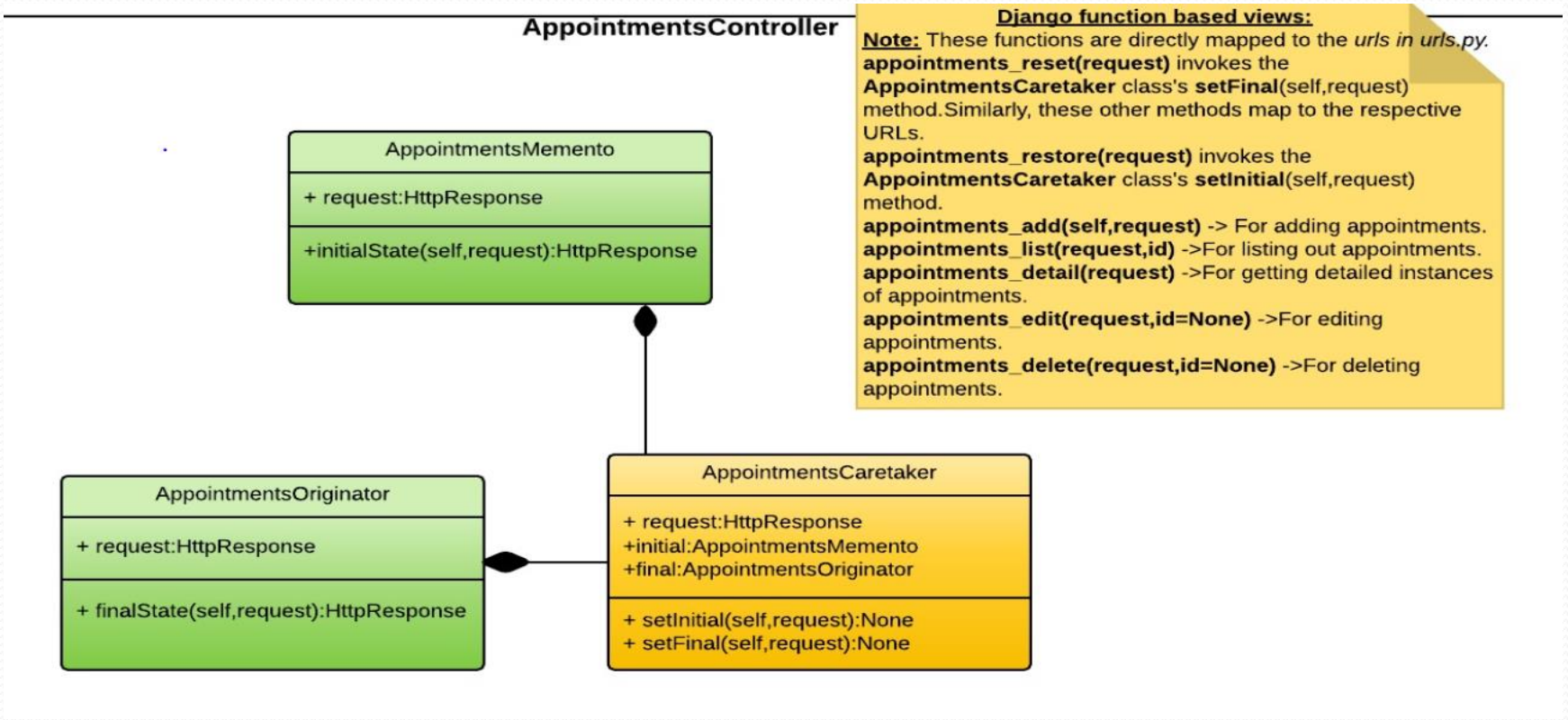
Class Diagram Representation of the Command Design pattern



Design Pattern -2 Momento

We used the Memento Design pattern to restore the state of the system in the appointments application. This allowed the users to reset the system and add new appointments. When the user wanted to have the old appointments back, one can restore the old state of the system. The class diagram for this pattern is as shown below.

Class Diagram Representation of the Memento design pattern.




Thank you!