

## Techcareer Homework 1

### Mediator pattern:

You will have a system that organize the communication between students and lecturers. There will be two different students which are on-site student and remote students. The features of classes up to you. Those students will send a message to each other on the other words this app will be like messaging app. You will have Mediator which coordinates messages.s

### Example of box:

- On-site Student A sends: Hi remote, how is going?
- All On-site Students receive: Hi remote, how is going?
- All Remote Students receive: Hi remote, how is going?
- Remote Student A : Hi, great. I have lots of things to do, how about you?
- All On-site Students receive: Hi, great. I have lots of things to do, how about you?
- All Remote Students receive: Hi, great. I have lots of things to do, how about you?
- On-site Student B : It similar ☹️

One should think this app like whatsapp group.

### State Pattern :

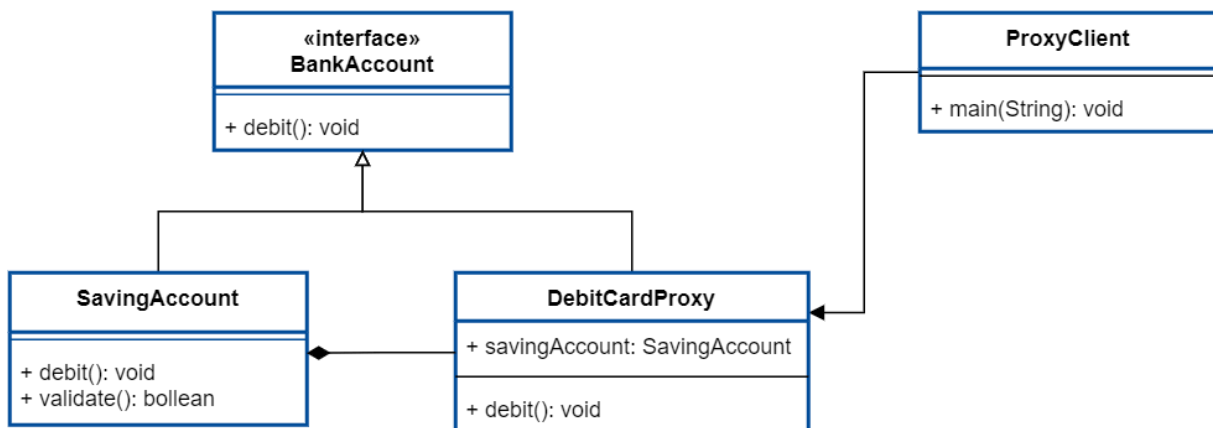
You will create an application which shows list of user and those users can be filtered according to age and name. The filtering process should be like that :

User enters a filter case -> Application status become filtering -> This state triggers the filter process  
->Filtered users are shown to user

### Observer Pattern:

You are free with topic.

### Proxy pattern:



## Strategy Pattern

