REPORT



과 목 명 : Design Pattern

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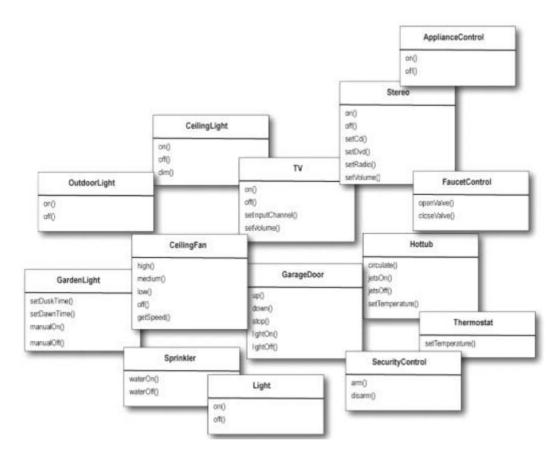
이 름: 박민혁



Chapter 6 : Command Pattern

개요

- 내가 하는 동작을 encapsulation 시킨다.
- 리모컨 버튼의 기능을 어떻게 할 것인가?

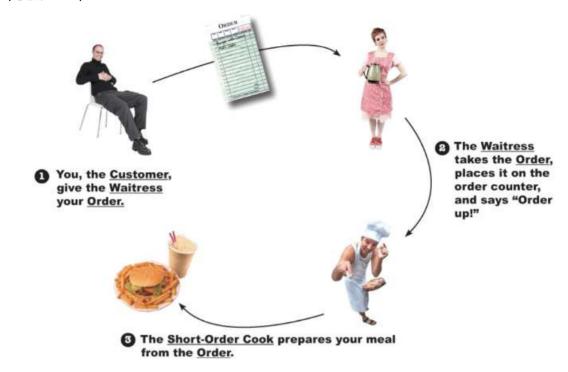


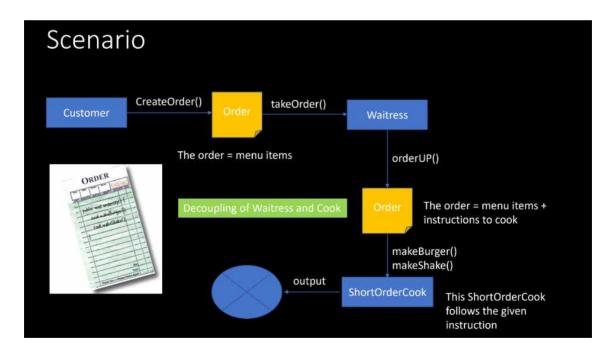
- 표준화 할 방법이 없다.

Requester -> remote control

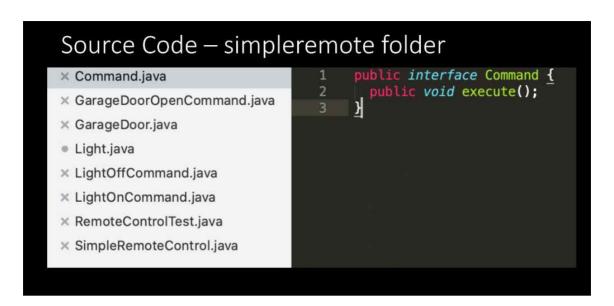
Object -> an instance of one of your vendor classes

책에서의 Example

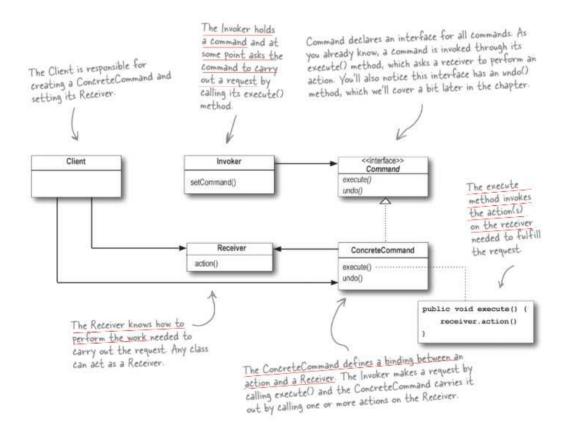




- Order ; Waitress 와 ShortOrderCook 잘라버림
- Passing이 가능하다.
- Encapsulation
- Waitress의 내용을 알 필요가 없다.



- Command -> target이 누군지 알고 execute(실제 행동)를 한다.



- Client -> 어떤 기기에 동작을 시킬 것인지 알고 있음
- Invoker -> 어떠어떠한 command가 있다라고 알고 있음

```
This time around the remote is going
                                    to handle seven On and Off commands,
public class RemoteControl (
    Command[] onCommands;
                                                 which we'll hold in corresponding arrays
    Command[] offCommands;
                                            In the constructor all we need to do is instantiate and initialize the on and off arrays.
    public RemoteControl() (
        onCommands = new Command[7];
        offCommands = new Command[7];
        Command noCommand = new NoCommand();
        for (int i = 0; i < 7; i++) {
             onCommands[i] = noCommand;
                                                        The setCommand() method takes a slot
             offCommands[i] = noCommand;
                                                    position and an On and Off command to
         1
                                                     be stored in that slot
                                                                  1
    public void setCommand(int slot, Command onCommand, Command offCommand) {
        onCommands[slot] = onCommand;
                                               It puts these commands in the on
        offCommands[slot] = offCommand;
                                                          and off arrays for later use
    public void onButtonWasPushed(int slot) (
       onCommands[slot].execute();
                                                               When an On or Off button is
                                                       pressed, the hardware takes
care of calling the corresponding
methods on Button Was Pushed O or
    public void offButtonWasPushed(int slot) {
       offCommands[slot].execute();
                                                               offButtonWasPushed().
    public String toString() (
        StringBuffer stringBuff = new StringBuffer();
         stringBuff.append("\n----- Remote Control -----\n");
        for (int i = 0; i < onCommands.length; i++) (
            stringBuff.append("[slot " + i + "] " + onCommands[i].getClass().getName()
                 + " " + offCommands[i].getClass().getName() + "\n");
                                                    Me've overwridden toString() to print out each slot and its corresponding command. You'll see us
        return stringBuff.toString();
                                                        use this when we test the remote control
```

- 왼쪽 오른쪽 7개씩 배열 생성
- noCommand -> 아무 동작도 안하는 것
- setCommand -> 동작을 지시
- On / Off 버튼을 눌렀을 때 몇 번 버튼이 눌렀는지 알려줘야 함
- toString -> 객체의 상태의 출력
- High로 가기 전에 기억을 해서 undo 기능 수행