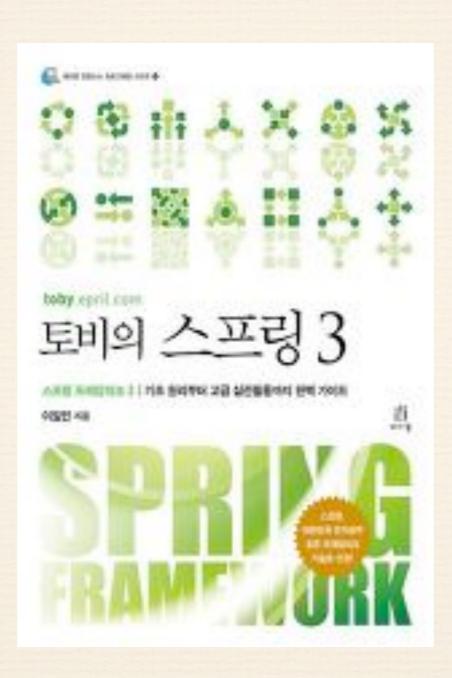
DI

교재(1~3,10)



Design Pattern

- * Template Method Pattern
- Factory Method Pattern
- Strategy Pattern
- * Template/Callback Pattern

IoC(DI)

- Inversion Of Control
- Dependency Injection
- Dependency Lookup

* 이미저장되어있는 사용자정보를 ID 를주면이름과 패스워드를 가지고 오는 프로그램을 만들어줘.

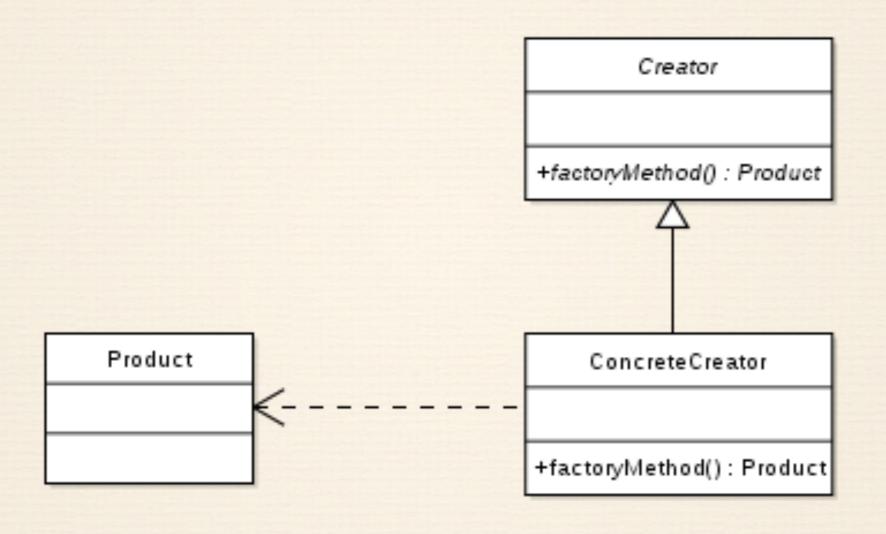
- * DB에 직접 사용자 등록하니까 불편해.
- * 사용자 추가기능 만들어줘

- * 현재는 D사에서 사용하고있는데..
- * N사에다가 납품해야한데..
- ❖ 거기는 DB 가 달라..
- ❖ 어떻하지?

Template Method Pattern

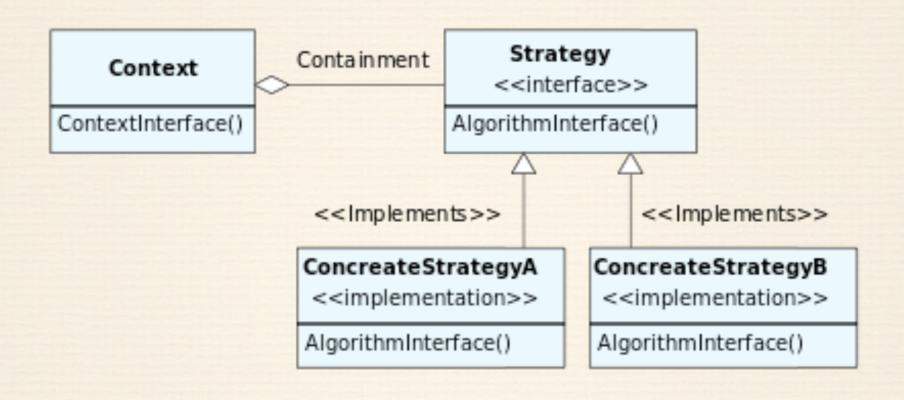
```
public abstract class Super {
  public void templateMethod() {
    11기본 알고리츰 코드
    hookMethod();
    abstractMethod;
  protected void hookMethod() { }
  public abstract void abstractMethod();
public class Sub1 extends Super {
  protected void hookMethod() {
  public void abstractMethod() {
```

Factory Method Pattern



* 상품을 조회, 등록했으면 좋겠어.

Strategy Pattern



Spring Container, Bean

- DaoFactory => Spring Container (Application Context)
- * Bean: Spring Container 가 관리하는 java object (UserDao)

장애

* dao 를 사용하는데, 가끔 서버가 죽어 어떻 게 된거야?

- * 사용자 삭제하는거 만들어줘
- * 사용자 수정하는거 만들어줘

JdbcTemplate

- * jdbcTemplate.update()
- * jdbcTempate.queryForObject()

* ...

ApplicationContext

- StaticApplicationContext
- * GenericXmlApplicationContext
- AnnotationConfigApplicationContext
- ❖ 각각의 WebApplicationContext
 - StaticWebApplicationContext
 - * XmlWebApplicationContext
 - AnnotationConfigWebApplicationContext

ApplicationContext 계층구조

Root ApplicationContext

Al ApplicationContext

A2 ApplicationContext

B1 ApplicationContext

Bean 등록

- * <bean> ... </bean>
- * @Configuration ... @Bean ... @Bean
- * @Component @Controller @Service @Repository

DI설정

- * property> ...
- <<constructor-arg> ... </constructor-arg>
- * @Autowired

Value 설정

- * property name="name" value="value" />
- * @Value
 - * @Value("value") String str;
 - * @Value("1.2") double rate;
 - * @Value("1,2,3,4") int[] intarr;

Value 설정

- * property name="names">
 - **♦** < list >
 - <value> a </value>
 - < <value> b </value>
- *
- * property name="ages">
 - **⋄** <map>
 - <entry key="Kim" value="30" />
 - * <entry key="Lee" value="35" />
 - ♦ </map>

Value 설정

- * property name="settings">
 - - * cprop key="username">jeju</prop>
 - * cprop key="password">jejupw</prop>
 - * </props>
- * property name="beans">
 - ♦ < list>
 - <ref bean="beanA" />
 - * <ref bean="beanB" />
 - * </list>
- *

Bean Scope

- * singleton (Default)
- prototype
- * request
- * session
- * globalSession
- * application