

1

1.2.3 DB



<sxh java> public abstract class Super {

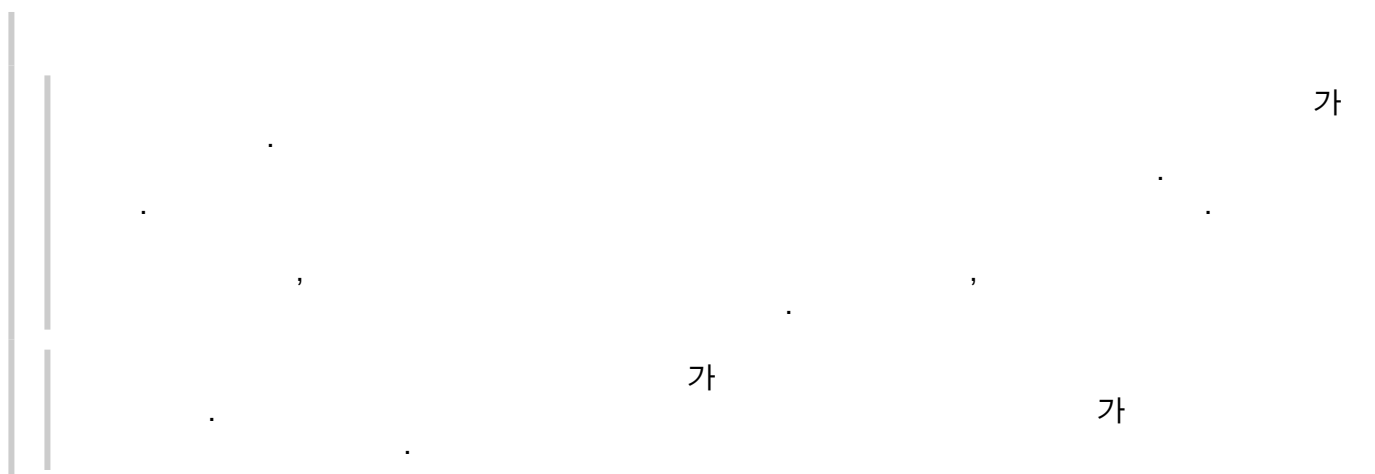
```
public void templateMethod(){
    //
    hookMethod();
    abstractMethod();
}
protected void hookMethod(){}
public abstract void abstractMethod();
```

}

public class Sub1 extends Super {

```
protected void hookMethod(){
    ...
}
public void abstractMethod(){
    ...
}
```

} </sxh>



1.3.4

(SOLID)

SOLID 5가 .

- SRP(The Single Responsibility Principle):
- OCP(The Open Closed Principle):
- LSP(The Liskov Substitution Principle):
- ISP(The Interface Segregation Principle):
- DIP(The Dependency Inversion Principle):

1.4 (IoC)

loc (Inversion of Control) 가 .

1.4.3

, 가 .

1.5.3 IoC

Bean

IoC .

Bean Factory

IoC 가 .

application context

IoC . ApplicationContext BeanFactory .

/ configuration metadata

가 IoC

container IoC

IoC IoC

IoC , .

1.6.1

?

- private .
- 가 .
- .
- .

singleton registry .
public 가 .

1.7 (DI)

1.71 (IoC)

IoC .

IoC DI

1.8 XML

DTD
XML
XML

XML
가

DTD
가

DTD (schema)가 .

2

가 가 가
. IoC DI , ,

2.3.4 가

TDD .

2.3.5

(fixture)
@Before .

2.5

2.5.1

- .
- .
- .
- .
- .

2.6

- .
- main() JUnit .
- 가 .
- .
- .
- 가 .
- 가
- 가
- @Before, @After .
- .
- .
- @Autowired DI .

-
- 가 . , .

3 .

3.2

3.2.2

가 .

.

, OCP .

DI /

3.4 **DI**

3.5

(template)

가 .

(callback)

.

(functional object)

가 .

3.5.1 /

가

3.6 JdbcTemplate

JDBC

DAO

3.7

- JDBC 가 가 try/catch/finally . 가
- . ,
- 가
- .
- 가
- DI 가 가
- DI .
- DI /
- .
- .
- JDBC JdbcTemplate
- .
- /

4

4.1.1

```
<sxh java> try{
```

```
...
```

```
} catch(SQLException e){ } </sxh>
```

가 .

4.1.2

throw 가 가 .

- Error
- Exception
- RuntimeException /

4.1.3

exception translation .

4.2.3 DAO **DataAccessException**

DataAccessException JDBC SQLException JDBC . JDBC

DAO

DAO ? 가 DAO

4.3

- throws .
- .

- catch/throws
- 가
- 가
- JDBC SQLException
- SQLException DB DB 가
- DataAccessException DB 가
- DAO

5

5.1.5

- 가?
- 가
- 가
- 가?

5.2.4

DB DB API
JDBC SQL

PlatformTransactionManager JDBC
PlatformTransactionManager
DataSourceTransactionManager

5.5

-
- DAO 가 DI
- DAO
- 가
- DAO

- API
- 가
- DAO가
- 가
- API API 가
- JavaMail
- 가 가
- 가
- 가

6 AOP

AOP IoC/DI,

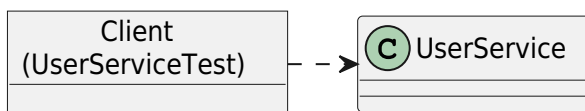
3

6.1

6.1.2 DI

DI

DI



UserService

```

object "Client \n(UserServiceTest)" as client
client .> UserService <>
UserService <|.. UserServiceImpl
  
```

UserService

DI

가

```
object "Client \n(UserServiceTest)" as client
client .> UserService <>
UserService <|.. UserServiceImpl
UserService <|.. UserServiceTx
UserService <.. UserServiceTx
```

6.2

가 가 .

가 가 .

가 ,

.

6.2.1

6.2.2

- Spring

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