

Creational

Factory
↓
simple

factory method

abstract factory

User Service {

Database

db =

type

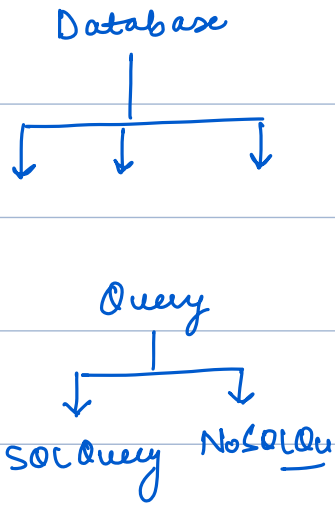
mysql
mongodb
pgsql

create User() {

if (db.type == "mysql")
 Query q = new SQLQuery();
else if (db.type == "___")
 else if (___)

}

SRP, OCP



class QueryFactory {

static Query getQueryByDBType (dbType) {
 if (db.type == "mysql")
 Query q = new SQLQuery();
 else if (db.type == "___")
 else if (___)

}

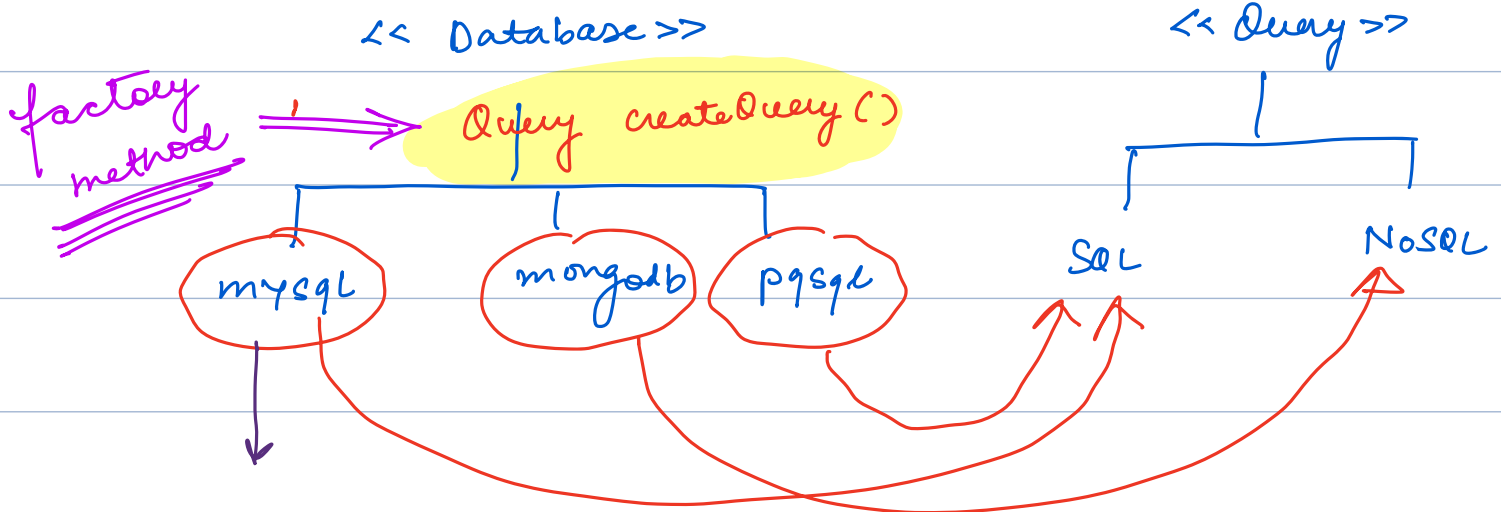
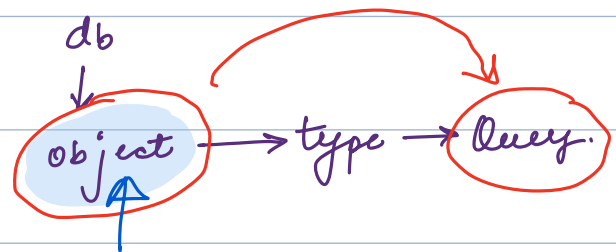
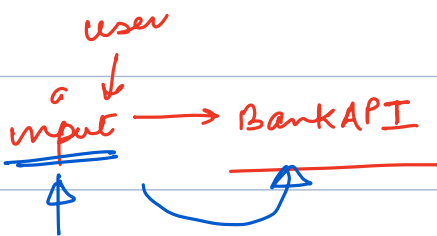
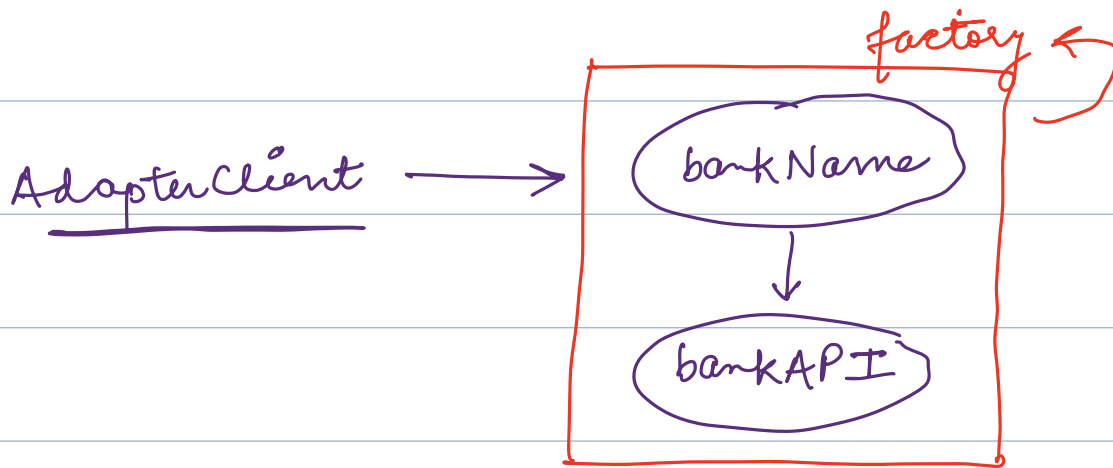
}

on the basis
of some
condⁿ decide
which obj
to produce!

```
create User() {
```

```
    Query q = getQueryByDBType(db.Type);
```

```
}
```



```
Query createQuery() {
```

```
    new SQLQuery();
```

```
}
```

User Service {

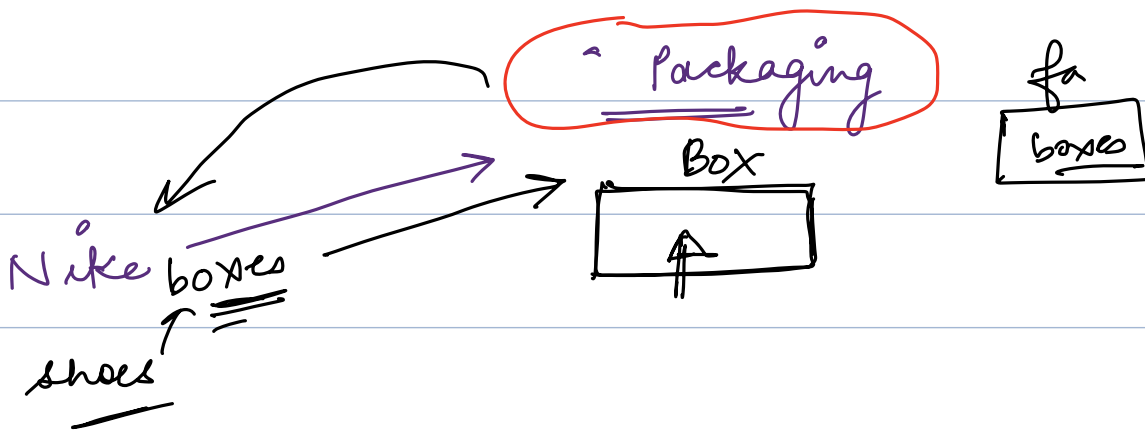
Database db = _____ ;

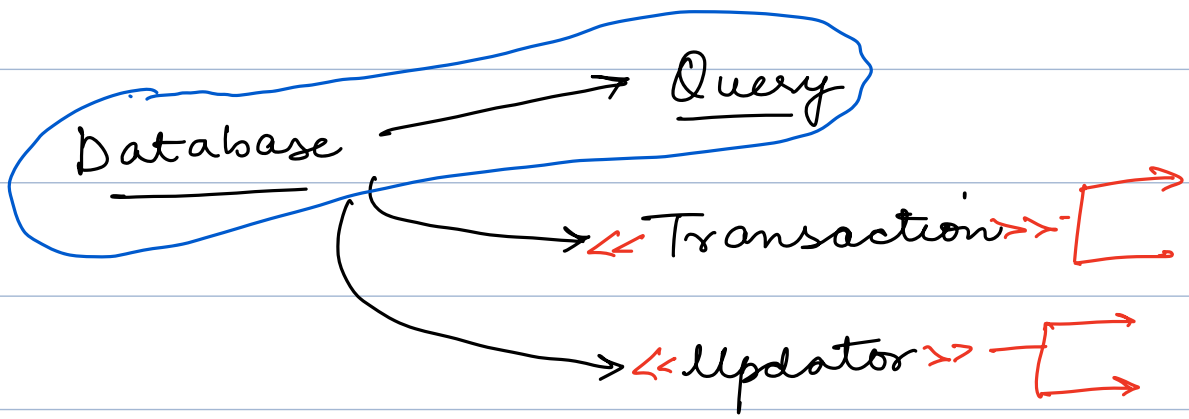
create User() {

Query q = db.createQuery();

}

}

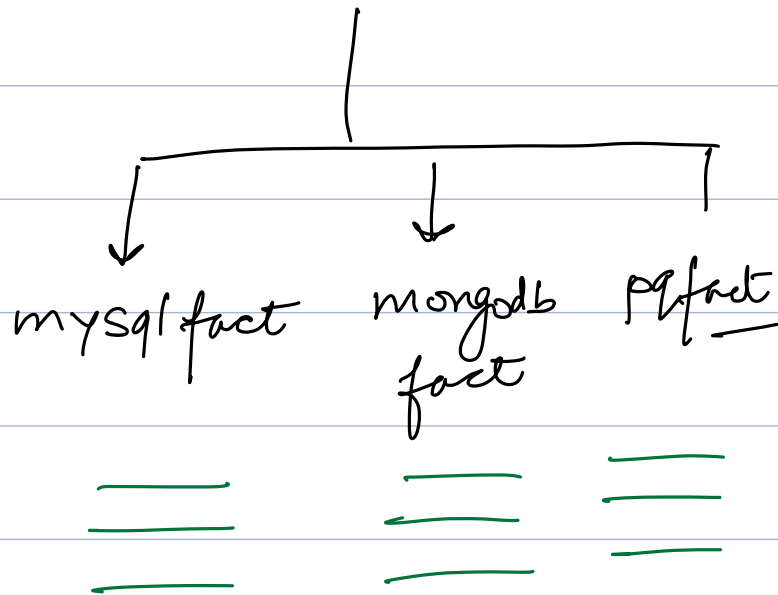
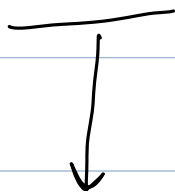




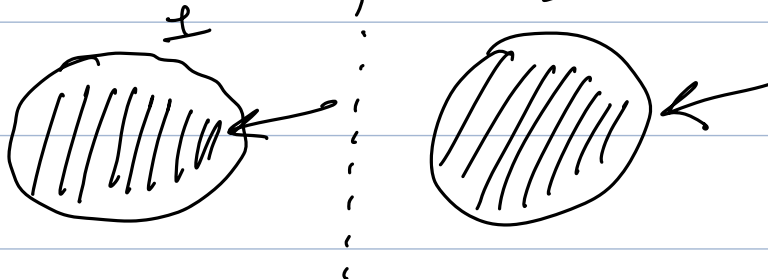
<< Database >>
~~create dbfact()~~
~~createQuery()~~
~~createTrans"().~~
~~create Updator()~~
 { method A()
 method B()
 method C()

<< Database Factory >>
 createQuery()
 createTrans"().
 create Updator()

mysql



Interface Segregation



UserService {

Database db = _____ ;

DatabaseFactory dbfact = db.createfact();

createUser() {

Query q = dbfact.createQuery();

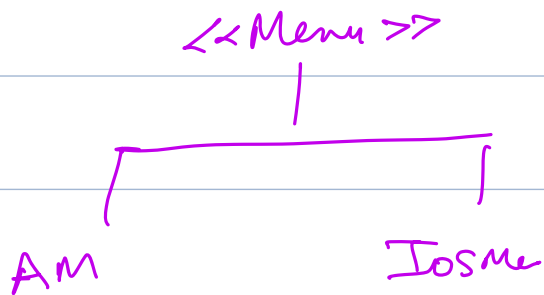
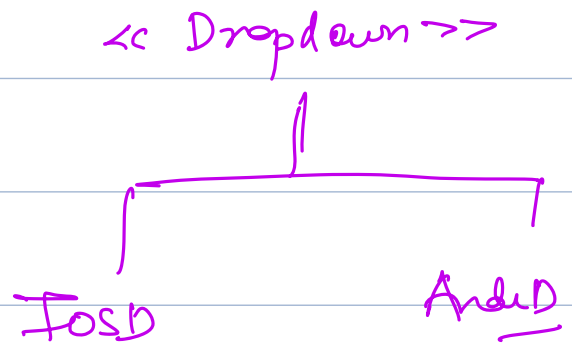
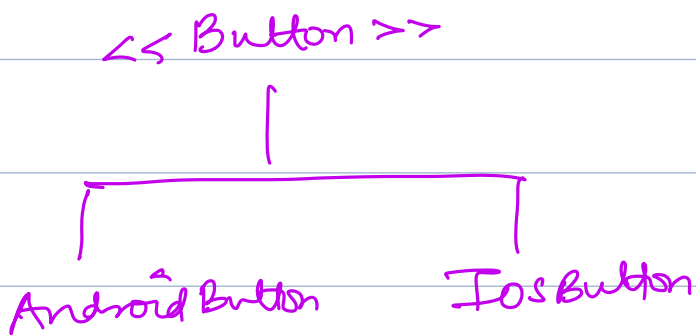
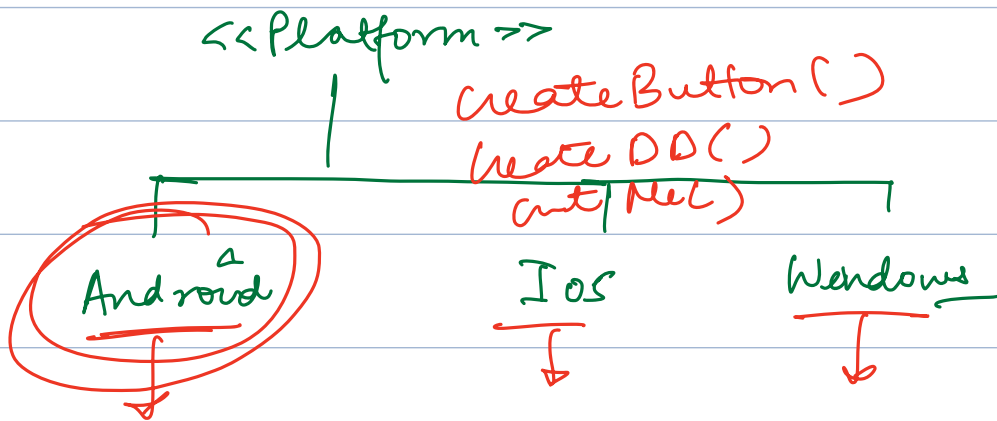
_____ = dbfact.createTrans();

}

}

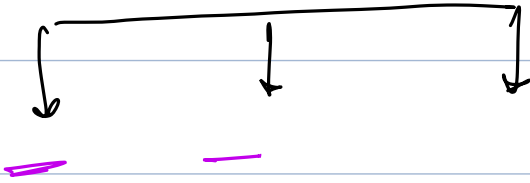
Flutter / React Native :

cross platform UI framework.



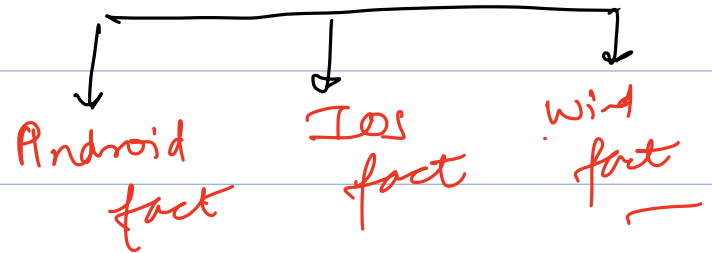
<< Platform >>

createUIComponent()



UI Compon Fact

createMenu()
initDD()
;



8:14 am

