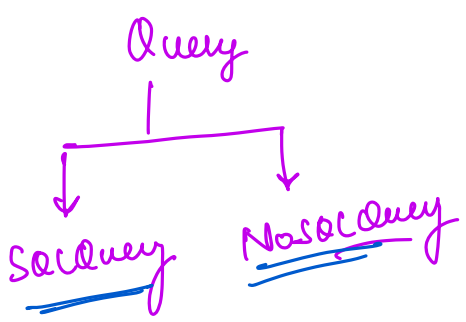


User Service {

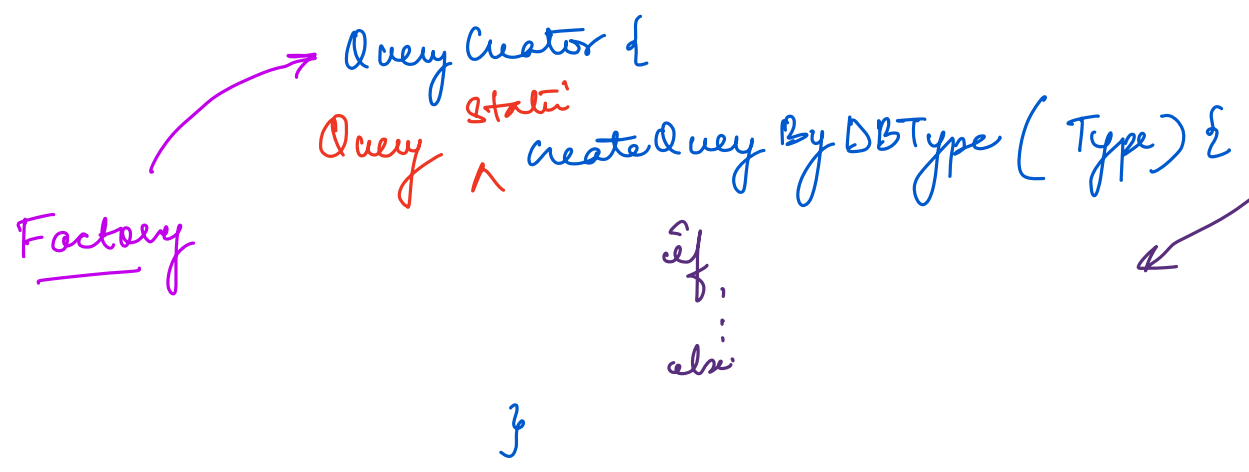
Database db = _____; mysql
mongodb
pgsql



```

createUser() {
  ↑ if ( db instanceof mysql )
    Query q = new SQLQuery();
  else if ( db instanceof mongodb )
    Query q = new NoSQLQuery();
}
  
```

SRP , OCP

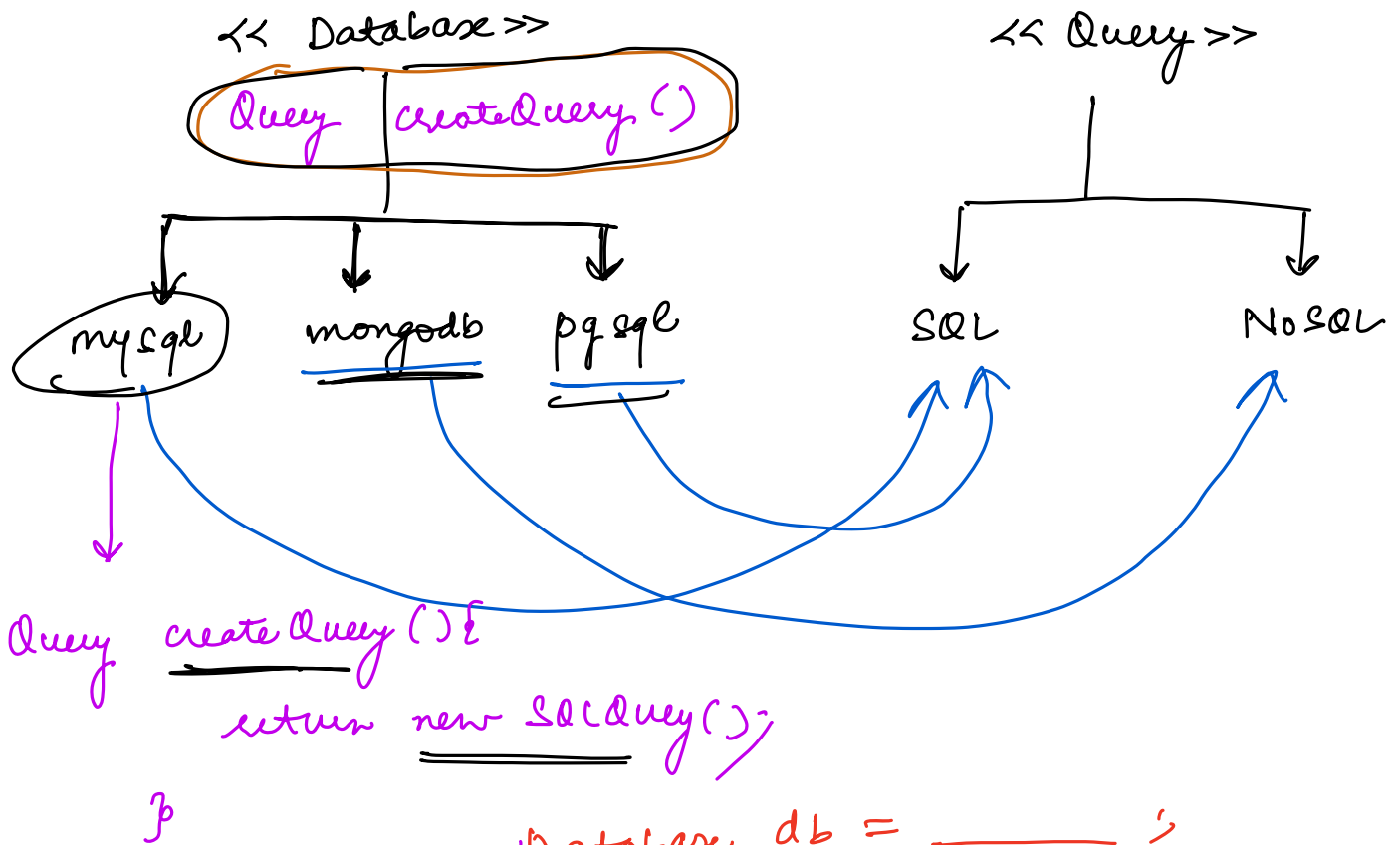


createUser() {

_____ = QueryCreator.createQueryByDbType(db.getType());



}



Database db = _____;

createQuery() {

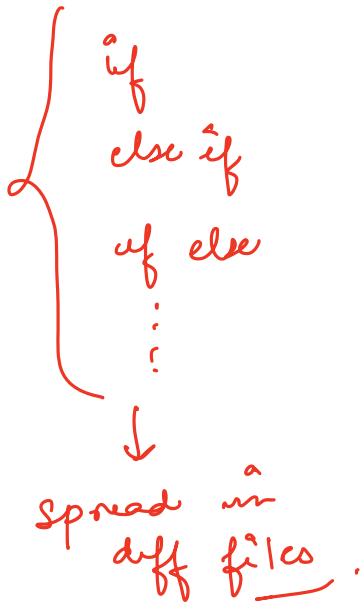
Query q = db.createQuery();



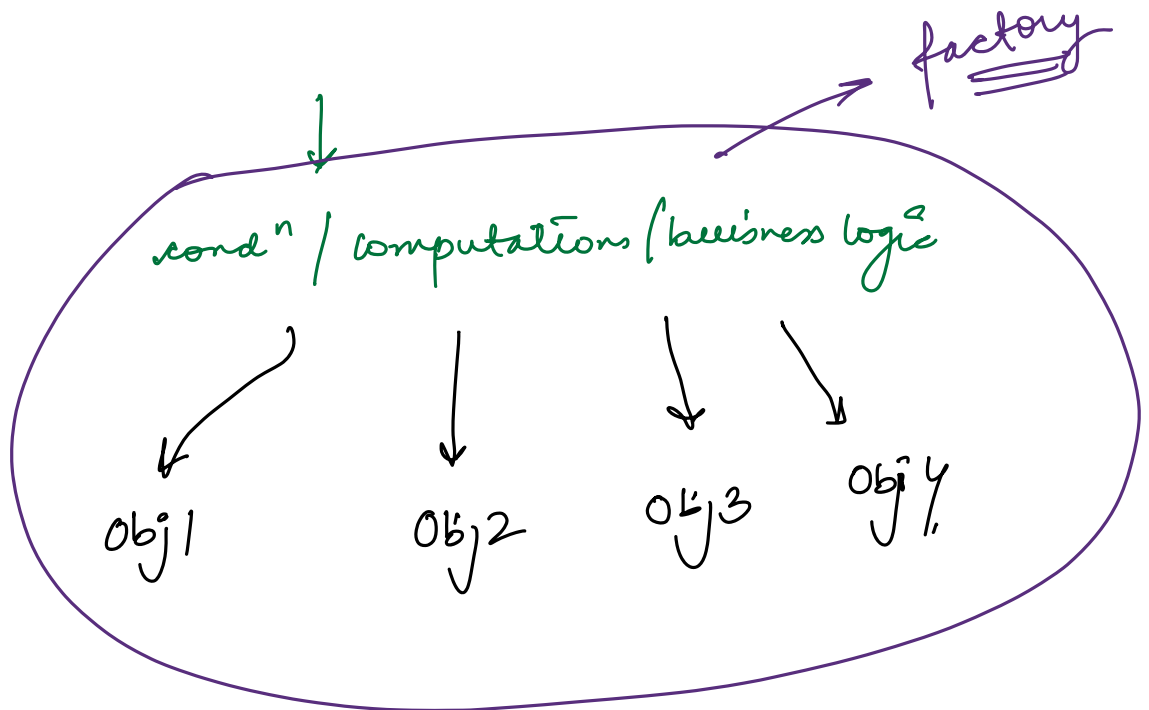
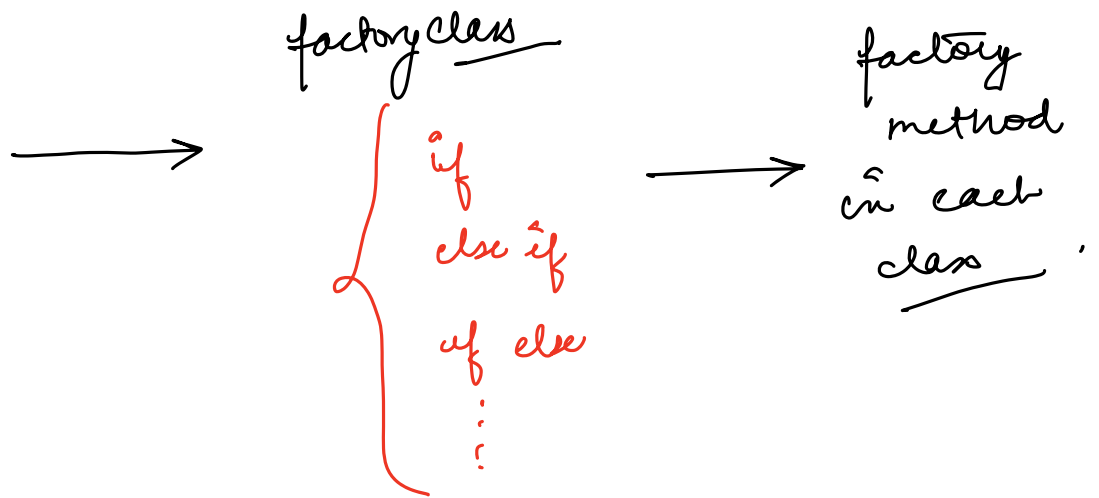
factory method

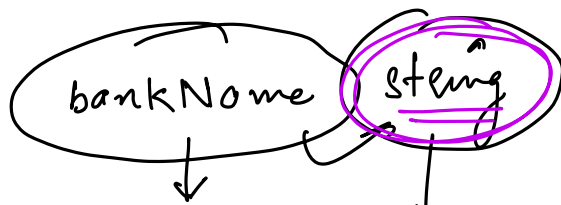
}

V0

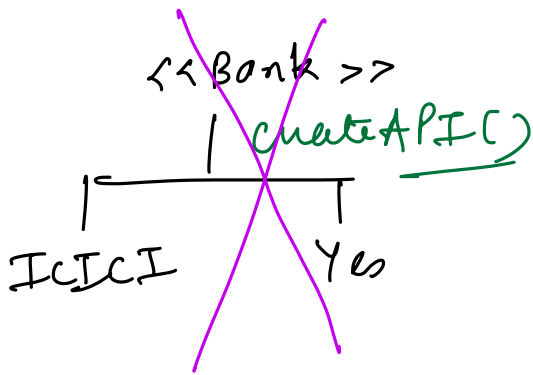


V1



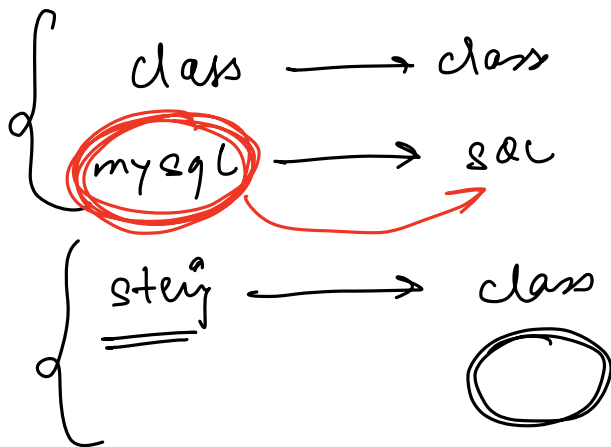


create the obj of API of that bank

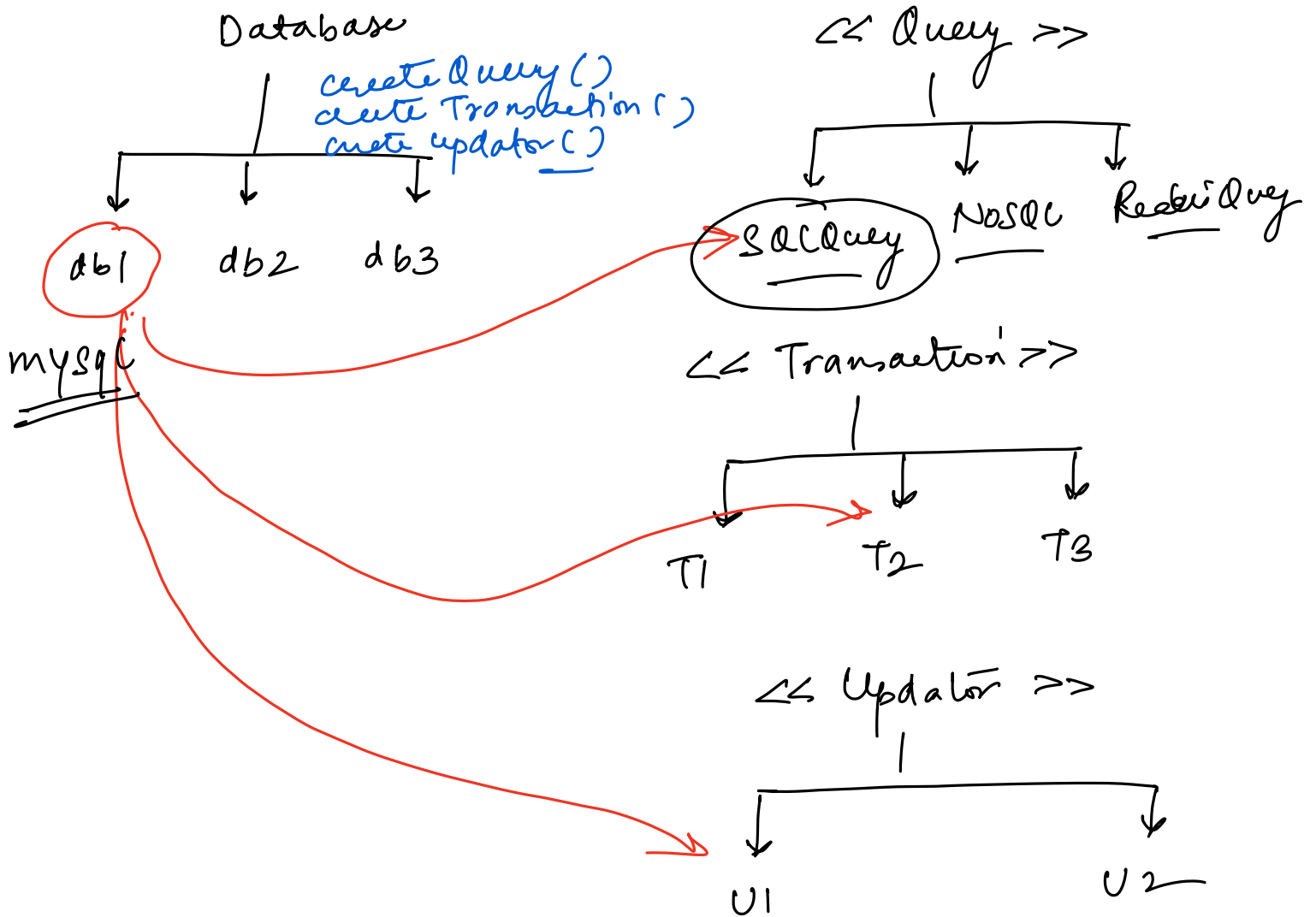
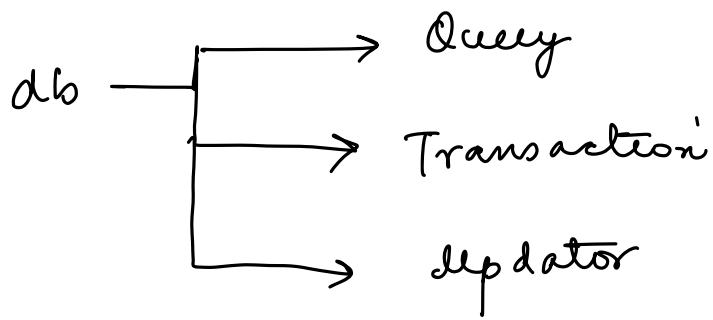


if (bankName.equals("ICICI")

ICICIBankAPI();



: simple factory



<< Database >>

connect()
getUre()
increasePoolSize()
getVersion()
createDbfact()

~~createQuery()
createTrans()
createUpdater()~~

multiple
factory methods

mysql

create dbfact()

{
 return new mysqlfact()
}

if (instance of mysql)

mysqlfact();

else if (————— psql)
 fact?;

Abstract << Database Factory >>

createQuery()
createTrans()
createUpdater()

~~mysql db fact~~

① —
② —
③ —

psql
fact

① —
② —
③ —

mongodb
fact

when you have a lot of factory
methods



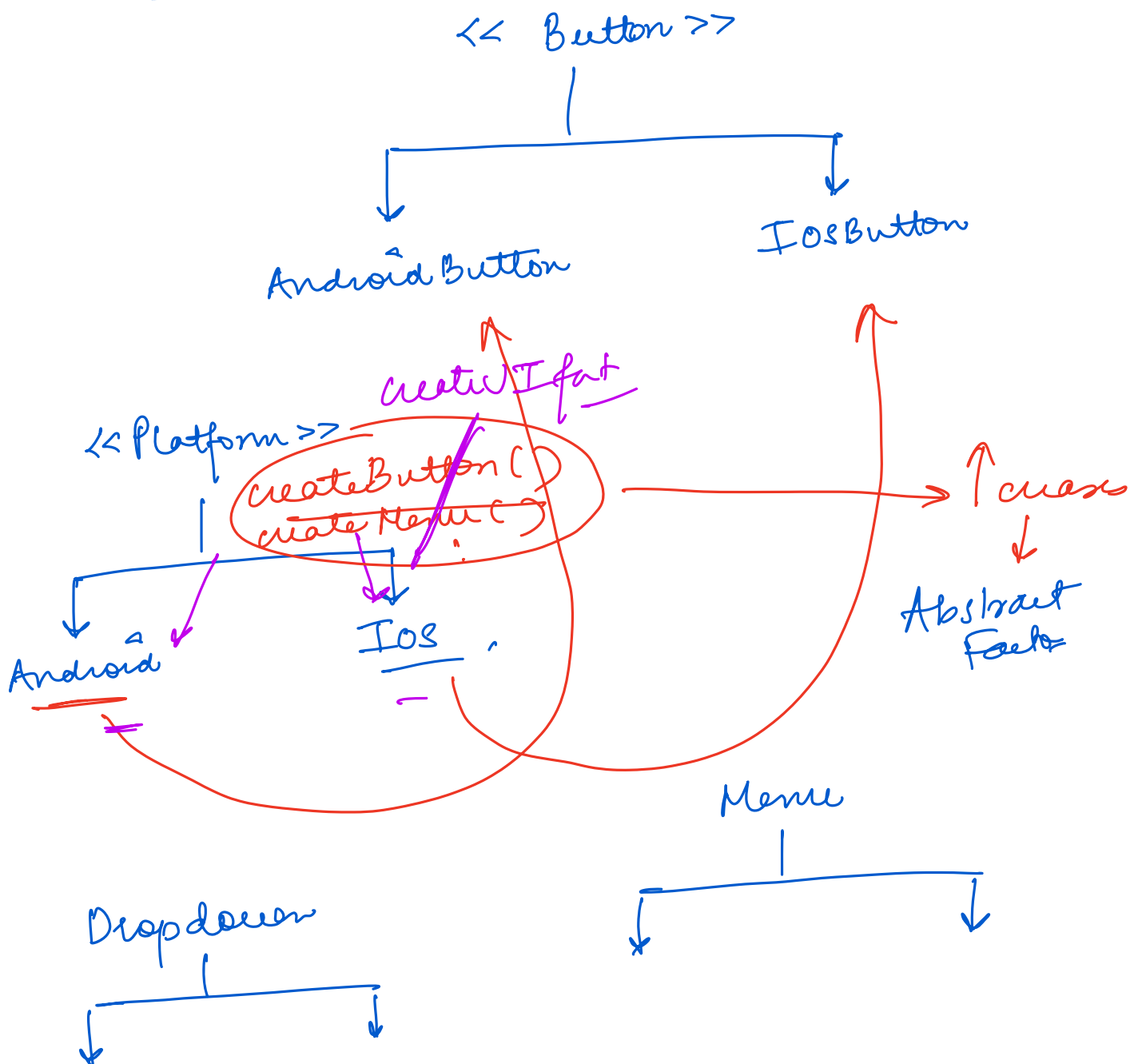
Try to segregate & put it in
separate factory structure.

10:33 — Break.

Flutter & React Native :

cross platform UI frameworks -

Android
Ios



<< UIFactory >>



Android's UI



iOS UI