4.Normalization

1.Account(cid, balance) Primary key: cid

Functional Dependencies: cid --> balance

State:BCNF

2.Cart(pid, price, quantity)

Functional Dependencies: pid --> price, quantity

State: BCNF

3.Product Category(catid, cat\_name)

Functional Dependencies: catid -->cat\_name

State: BCNF

4.Delivery(tracking\_no, courrier\_name, oid)

Functional tracking\_no --> courrier\_name, oid

State: BCNF

5.Admin(aid, admin\_name, admin\_surname, admin\_role)

Functional Dependencies: aid-->admin\_name, admin\_surname, admin\_role

State: BCNF

6.Product(pid, status, price)

Functional Dependencies: pid -->status, price

State: BCNF

7.Payment(payid, pay\_amount, pay\_date)

Functional Dependencies: payid-->pay\_amount, pay\_date

State: BCNF

8.Order(oid, cid, pid, payid, order\_date) Superkey: oid

Functional Dependencies: oid-->order\_date, cid, pid, payid

State: BCNF

9-13.Phone(pid, company, model, price, catid)

TV(pid, company, model, price, catid)

Computer(pid, company, model, price, catid)

Photo(pid, company, model, price, catid)

Appliance(pid, company, model, price, catid)

Functional Dependencies: pid-->company, model, price, catid

pid, company, model, catid --> price

|pid|catid| |company|model|price|

State:BCNF

14.Shopping Website(web\_name, web\_url, catid)

Functional Dependencies: web\_name-->web\_url, catid

|web\_name|web\_url| |catid|web\_name|

State: BCNF

15.Supplier(supid, sup\_name, pid)

Functional Dependencies: supid -->sup\_name

pid-->supid

|supid|sup\_name| |pid|supid|

State: BCNF

16.Customer(cid, name, surname, email, password, phone) Superkey: cid

Functional Dependencies: cid-->name, surname, email, phone

email-->password

|cid|name|surname|email|phone| |email|password|

State: BCNF