NORMALIZATION

# bb\_blood(blood\_id,blood,detail,status)

## FD:

1)blood\_id ->blood,detail,status.

2)blood->blood\_id,detail,status.

Candidate key ={blood\_id,blood}

Primary key=blood\_id

Since the left side of both functional dependencies is a candidate key they’re in BCNF.

# bb\_hospital(hospital\_id,hospital\_name,username,password,mobile, datetime,status)

## FD:

1)hospital\_id ->,hospital\_name,username,password,mobile, datetime,status

2)username->,hospital\_name,hospital\_id,password,mobile, datetime,status

Candidate key ={ hospital\_id,username}

Primary key=hospital\_id

Since the left side of both functional dependencies is a candidate key they’re in BCNF.

# bb\_user(user\_id,blood\_id,first\_name,last\_name,username,password, mobile,datetime,status)

## FD:

1)user\_id->blood\_id,first\_name,last\_name,username,password, mobile,datetime,status

2)username-> blood\_id,first\_name,last\_name,user\_id,password, mobile,datetime,status

Candidate key={user\_id,username}

Primary key=user\_id

Since the left side of both functional dependencies is a candidate key they’re in BCNF.

# bb\_request(request\_id,user\_id,hospital\_id,blood\_id,volume,datetime, status)

## FD:

1)request\_id-> user\_id,hospital\_id,blood\_id,volume,datetime, status

Candidate key={request\_id}

Primary key=request\_id

Since the left side of functional dependency is a candidate key it is in BCNF.

# bb\_stock(stock\_id,hospital\_id,blood\_id,volume,status)

## FD:

1)stock\_id-> hospital\_id,blood\_id,volume,status

Candidate key={stock\_id}

Primary key=stock\_id

Since the left side of functional dependency is a candidate key it is in BCNF.