Tables with constrains:

CREATE TABLE users (

Email varchar2(50) Primary Key,

Password varchar2(20) Not Null,

Address varchar2(200) Not Null,

Account\_type CHAR(1) Not Null,

Payment\_methode CHAR(1 )Not Null,

Status CHAR(1) Not Null ,

user\_name varchar2(255) Not Null

)

CREATE TABLE Items (

Item\_id number(20) Primary Key,

Item\_name varchar2(200) Not Null,

Min\_bidding\_amt number(20 )Not Null,

Description varchar2(200),

time\_limit DATE Not Null,

Image BLOB Not Null

)

CREATE TABLE Bid(

BItem\_id number(20) REFERENCES Items (Item\_id),

BUser\_email varchar2(50) REFERENCES users (Email),

bidding\_amount number(20)Not Null,

biddning\_date DATE Not Null,

Primary Key ( BItem\_id ,BUser\_email)

)

CREATE TABLE Complaint(

complaint\_id number (13) primary key,

Description varchar2(200),

CUser\_email varchar2(50) REFERENCES users (Email),

CItem\_id number(20) REFERENCES Items (Item\_id)

)

Procedures:

create or replace

PROCEDURE WinningBid

(itemID in number, winningBid out number,userEmail out VARCHAR2 )

as

begin

select bidding\_amount,user\_email

into winningbid, useremail

from bid

where itemID= bitem\_id and bidding\_amount = (select MAX(bidding\_amount) FROM bid);

end;

create or replace PROCEDURE Pass

(UserEmail in VARCHAR2, Password out VARCHAR2 )

as

begin

select password

into Upassowrod

from users

where useremail = email;

end;