DROP TABLE auctions CASCADE CONSTRAINTS;

DROP TABLE admins CASCADE CONSTRAINTS;

DROP TABLE items CASCADE CONSTRAINTS;

DROP TABLE users CASCADE CONSTRAINTS;

DROP TABLE finance CASCADE CONSTRAINTS;

DROP TABLE shipping CASCADE CONSTRAINTS;

DROP TABLE bids CASCADE CONSTRAINTS;

DROP TABLE pastbids CASCADE CONSTRAINTS;

DROP TABLE sold CASCADE CONSTRAINTS;

DROP VIEW FirstTenUsers CASCADE CONSTRAINTS;

DROP VIEW BiddingActivity CASCADE CONSTRAINTS;

DROP VIEW ExpireSoon CASCADE CONSTRAINTS;

-- items rely on auction

-- auctions rely on users and items

CREATE TABLE users (

user\_id INTEGER NOT NULL,

user\_name VARCHAR2(30) NOT NULL,

user\_username VARCHAR2(30) NOT NULL UNIQUE,

user\_password VARCHAR2(30) NOT NULL,

PRIMARY KEY(user\_id)

);

CREATE TABLE admins (

admin\_id INTEGER NOT NULL,

admin\_username VARCHAR2(30) NOT NULL UNIQUE,

admin\_password VARCHAR2(30) NOT NULL,

PRIMARY KEY(admin\_id)

);

CREATE TABLE items (

item\_id INTEGER NOT NULL,

item\_name VARCHAR2(30),

item\_description VARCHAR2(100),

item\_minBid DECIMAL(10, 2) DEFAULT 0.00,

-- DATE Format: YYYY-MM-DD

item\_startDate DATE NOT NULL,

item\_endDate DATE NOT NULL,

item\_buyPrice DECIMAL(10, 2),

PRIMARY KEY(item\_id)

);

CREATE TABLE auctions (

auction\_id INTEGER,

user\_id INTEGER REFERENCES users(user\_id),

item\_id INTEGER REFERENCES items(item\_id),

auction\_latest DATE,

PRIMARY KEY(user\_id, item\_id)

);

CREATE TABLE finance (

user\_id INTEGER REFERENCES users(user\_id),

finance\_number INTEGER NOT NULL,

finance\_expiry DATE NOT NULL,

finance\_address VARCHAR2(30) NOT NULL,

finance\_cvv INTEGER NOT NULL,

PRIMARY KEY(user\_id)

);

CREATE TABLE shipping (

user\_id INTEGER REFERENCES users(user\_id),

shipping\_receiver VARCHAR2(200) NOT NULL,

shipping\_tracking VARCHAR2(50) NOT NULL,

PRIMARY KEY(shipping\_tracking)

);

CREATE TABLE bids (

item\_id INTEGER REFERENCES items(item\_id),

user\_id INTEGER REFERENCES users(user\_id),

bids\_top DECIMAL(10, 2) NOT NULL,

PRIMARY KEY(item\_id)

);

CREATE TABLE pastbids (

item\_id INTEGER REFERENCES items(item\_id),

user\_id INTEGER REFERENCES users(user\_id),

bids\_top DECIMAL(10, 2) NOT NULL

);

CREATE TABLE sold (

solditem\_id INTEGER NOT NULL,

solditem\_name VARCHAR2(30),

shipping\_tracking VARCHAR2(50) REFERENCES shipping(shipping\_tracking),

PRIMARY KEY(solditem\_id)

);

-- Insert data into admins table

INSERT INTO admins(admin\_id, admin\_username, admin\_password)

VALUES (01, 'bossBaby', 'yummyyippy');

INSERT INTO admins(admin\_id, admin\_username, admin\_password)

VALUES (02, 'workerBaby1', 'yummyyippy1');

INSERT INTO admins(admin\_id, admin\_username, admin\_password)

VALUES (03, 'workerBaby2', 'yummyyippy2');

INSERT INTO admins(admin\_id, admin\_username, admin\_password)

VALUES (04, 'workerBaby3', 'yummyyippy3');

-- Insert data into users table

INSERT INTO users(user\_id, user\_name, user\_username, user\_password)

VALUES (001, 'fraudkuna', 'megumi', 'ilygojo');

INSERT INTO users(user\_id, user\_name, user\_username, user\_password)

VALUES (002, 'slicedjo', 'ihatejjk', 'jjkcsmb');

INSERT INTO users(user\_id, user\_name, user\_username, user\_password)

VALUES (003, 'mrg5l', 'onepieceot', 'ilyluffykun');

INSERT INTO users(user\_id, user\_name, user\_username, user\_password)

VALUES (004, 'NotIntoJujutsu', 'OnePieceSuperfan', 'ilyluffykun');

INSERT INTO users(user\_id, user\_name, user\_username, user\_password)

VALUES (005, 'JJKIndifference', 'PirateKingLover', 'ilyluffykun');

INSERT INTO users(user\_id, user\_name, user\_username, user\_password)

VALUES (006, 'UninterestedInJJK', 'StrawHatForever', 'ilyluffykun');

INSERT INTO users(user\_id, user\_name, user\_username, user\_password)

VALUES (007, 'JJKPass', 'LuffyFanatic', 'ilyluffykun');

INSERT INTO users(user\_id, user\_name, user\_username, user\_password)

VALUES (008, 'JJKOUT', 'OPAdventureSeeker', 'ilyluffykun');

INSERT INTO users(user\_id, user\_name, user\_username, user\_password)

VALUES (011, 'hello', 'Catlover', 'ilyluffykun');

-- Insert data into items table

INSERT INTO items(item\_id, item\_name, item\_description, item\_minBid, item\_startDate, item\_endDate, item\_buyPrice)

VALUES (001, 'toiletPaper', 'soft', 2.00, '2023-09-27', '2023-10-11', 2000.00);

INSERT INTO items(item\_id, item\_name, item\_description, item\_minBid, item\_startDate, item\_endDate, item\_buyPrice)

VALUES (002, 'DIO', 'Hard', 69.00, '2023-09-27', '2023-09-29', 20.00);

INSERT INTO items(item\_id, item\_name, item\_description, item\_minBid, item\_startDate, item\_endDate, item\_buyPrice)

VALUES (003, 'Bar', 'spicy', 69.00, '2023-09-27', '2023-09-30', 20.00);

INSERT INTO items(item\_id, item\_name, item\_description, item\_minBid, item\_startDate, item\_endDate, item\_buyPrice)

VALUES (004, 'Realitycuttingpizzacutter', 'scam', 69.00, '2023-09-27', '2023-10-11', 5000.00);

INSERT INTO items(item\_id, item\_name, item\_description, item\_minBid, item\_startDate, item\_endDate, item\_buyPrice)

VALUES (005, 'SpicyNUTS', 'SPICYYY', 69.00, '2023-09-27', '2023-10-30', 5000.00);

INSERT INTO items(item\_id, item\_name, item\_description, item\_minBid, item\_startDate, item\_endDate, item\_buyPrice)

VALUES (006, 'GreasyGoose', 'slimy', 69.00, '2023-09-27', '2023-10-28', 5000.00);

INSERT INTO items(item\_id, item\_name, item\_description, item\_minBid, item\_startDate, item\_endDate, item\_buyPrice)

VALUES (007, 'toiletPaper', 'papery', 4.00, '2023-09-27', '2023-10-28', 25.00);

-- Insert data into the bids table

INSERT INTO bids(item\_id, user\_id, bids\_top)

VALUES (001, 0001, 2000.00);

INSERT INTO bids(item\_id, user\_id, bids\_top)

VALUES (002, 0002, 2500.00);

INSERT INTO bids(item\_id, user\_id, bids\_top)

VALUES (003, 0003, 3500.00);

INSERT INTO bids(item\_id, user\_id, bids\_top)

VALUES (004, 0004, 5500.00);

INSERT INTO bids(item\_id, user\_id, bids\_top)

VALUES (005, 0005, 6500.00);

INSERT INTO bids(item\_id, user\_id, bids\_top)

VALUES (006, 0005, 10000.00);

-- Insert data into the pastbids table

INSERT INTO pastbids(item\_id, user\_id, bids\_top)

VALUES (001, 0001, 2000.00);

INSERT INTO pastbids(item\_id, user\_id, bids\_top)

VALUES (001, 0002, 2500.00);

INSERT INTO pastbids(item\_id, user\_id, bids\_top)

VALUES (001, 0003, 3500.00);

INSERT INTO pastbids(item\_id, user\_id, bids\_top)

VALUES (001, 0004, 5500.00);

INSERT INTO pastbids(item\_id, user\_id, bids\_top)

VALUES (001, 0001, 5500.00);

-- Insert data into the shipping table

INSERT INTO shipping(user\_id, shipping\_receiver, shipping\_tracking)

VALUES (1, '6969-UniversityAve', '92453');

INSERT INTO shipping(user\_id, shipping\_receiver, shipping\_tracking)

VALUES (2, '937-UniversityAve', '95642');

INSERT INTO shipping(user\_id, shipping\_receiver, shipping\_tracking)

VALUES (3, '4201-UniversityAve', '91593');

INSERT INTO shipping(user\_id, shipping\_receiver, shipping\_tracking)

VALUES (4, '420-UniversityAve', '95192');

-- Insert data into the finance table with correct date format and quotes around address

INSERT INTO finance(user\_id, finance\_number, finance\_expiry, finance\_address, finance\_cvv)

VALUES (1, 201321511231, '2023-10-17', '6969-UniversityAve', 554);

INSERT INTO finance(user\_id, finance\_number, finance\_expiry, finance\_address, finance\_cvv)

VALUES (2, 201920034589, '2023-10-19', '937-UniversityAve', 657);

INSERT INTO finance(user\_id, finance\_number, finance\_expiry, finance\_address, finance\_cvv)

VALUES (3, 201912498124, '2023-10-25', '937-UniversityAve', 212);

INSERT INTO finance(user\_id, finance\_number, finance\_expiry, finance\_address, finance\_cvv)

VALUES (4, 201509572359, '2025-09-02', '937-UniversityAve', 537);

-- Insert data into the auctions

INSERT INTO auctions(auction\_id, user\_id, auction\_latest, item\_id)

VALUES (001,0004, '2023-10-13', 001);

INSERT INTO auctions(auction\_id, user\_id, auction\_latest, item\_id)

VALUES (002,0005, '2023-10-14',002);

INSERT INTO auctions(auction\_id, user\_id, auction\_latest, item\_id)

VALUES (003,0006, '2023-10-15', 003);

INSERT INTO auctions(auction\_id, user\_id, auction\_latest, item\_id)

VALUES (004,0007, '2023-10-16', 004);

INSERT INTO auctions(auction\_id, user\_id, auction\_latest, item\_id)

VALUES (005,0004, '2023-10-17', 005);

INSERT INTO auctions(auction\_id, user\_id, auction\_latest, item\_id)

VALUES (006,0004, '2023-10-18',006);

-- Insert data into sold

INSERT INTO sold(solditem\_id,solditem\_name,shipping\_tracking)

VALUES (1, 'STINKY SOCKS', '92453');

INSERT INTO sold(solditem\_id, solditem\_name,shipping\_tracking)

VALUES (2, 'SALTYBOBA', '95642');

INSERT INTO sold(solditem\_id, solditem\_name,shipping\_tracking)

VALUES (3, 'SPICYMAYO', '91593');

INSERT INTO sold(solditem\_id, solditem\_name,shipping\_tracking)

VALUES (4, 'SWEETPAPER', '95192');

-- List all users who currently have an item being shipped from oldest to newest shipments(tracking numbers)

SELECT u.user\_id, user\_name, s.shipping\_tracking

FROM shipping s, users u, sold i

WHERE s.shipping\_tracking > 0

AND s.user\_id = u.user\_id

AND s.shipping\_tracking= i.shipping\_tracking

ORDER BY shipping\_tracking ASC;

-- List all of the auctions one user has put up

SELECT a.user\_id, a.item\_id, i.item\_name

FROM auctions a, users u, items i

WHERE u.user\_id = 4

AND a.user\_id = u.user\_id

AND a.item\_id = i.item\_id

ORDER BY item\_id ASC;

-- List of items that have been bid on in the past 3 days, hence the most popular.

SELECT a.item\_id, a.auction\_latest, i.item\_endDate, b.bids\_top

FROM auctions a, bids b, items i

WHERE a.auction\_latest >= SYSDATE - 4 AND a.auction\_latest <= SYSDATE

AND a.item\_id = i.item\_id

AND b.item\_id = i.item\_id

ORDER BY a.auction\_latest DESC;

-- The total amount of bids a user has on an item

CREATE VIEW BiddingActivity AS

(SELECT u.user\_id, COUNT(b.item\_id) AS total\_bids

FROM pastbids b, users u

WHERE b.item\_id=1

AND u.user\_id = b.user\_id

GROUP BY u.user\_id

);

SELECT \* FROM BiddingActivity;

-- Get the first ten user accounts created inclusive, and create a view with their id number, username, and name

CREATE VIEW FirstTenUsers (FT\_UserID, FT\_Name, FT\_Username) AS

(SELECT user\_id, user\_name, user\_username

FROM users

WHERE user\_id <= 10);

SELECT \* FROM FirstTenUsers;

-- Get the users that have a financial card that expires within 10 days.

CREATE VIEW ExpireSoon (ES\_UserID, ES\_Expiry) AS

(SELECT user\_id, finance\_expiry

FROM finance

WHERE finance\_expiry >= SYSDATE AND finance\_expiry <= SYSDATE + 10

);

SELECT \* FROM ExpireSoon;