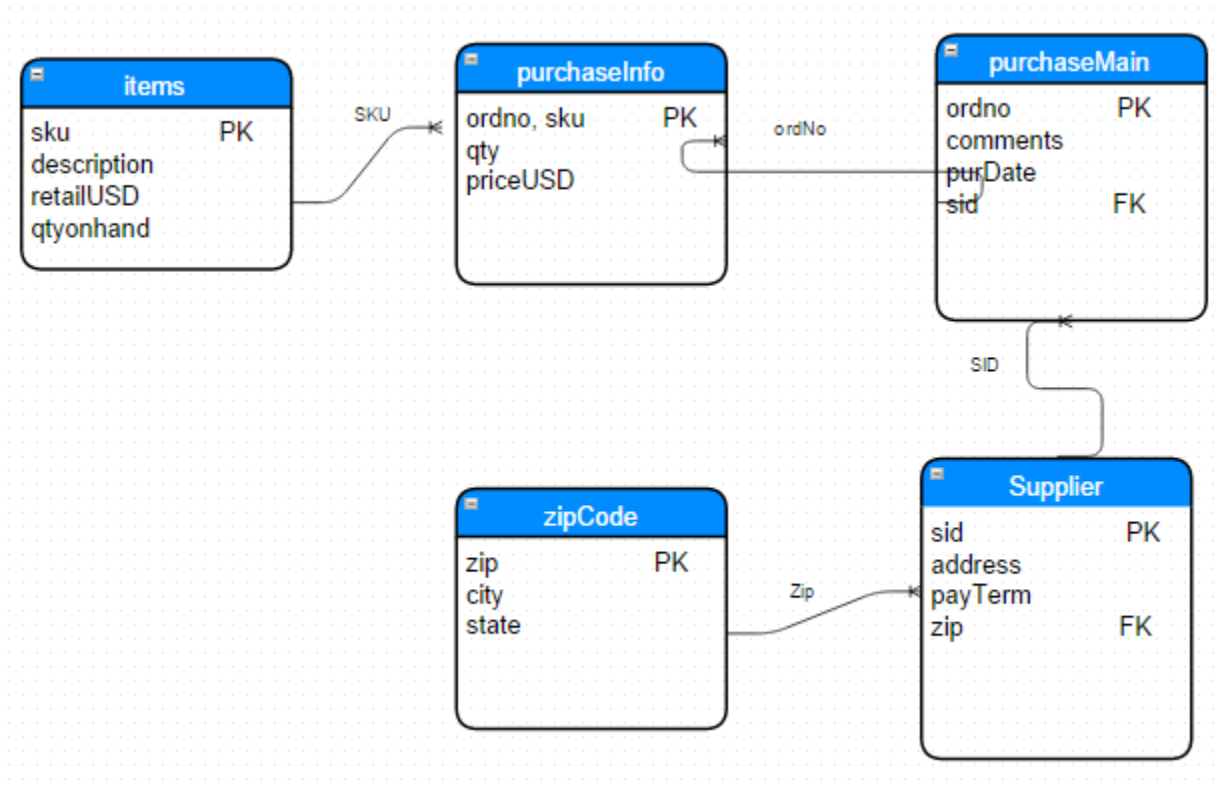Chris Koriniskie

April 13, 2015

Database Systems

Lab 08 Normalization

1.

2.

-- Table for the clothing store

CREATE TABLE items

(

       sku   CHARACTER(5) NOT NULL,

       description   TEXT,

       retailUSD   NUMERIC(5,2),

       qtyOnHand   INTEGER,

       PRIMARY KEY (sku)

```
);



-- Table for suppliers info
-- NOTE: payTerm in days!!

CREATE TABLE supplier
(
        sid             CHARACTER(4) NOT NULL,
        address         TEXT,
        zip             CHARACTER(5),
        contactNum   CHARACTER(10),
        payTerm         INTEGER,
        PRIMARY KEY (sid)
);



create table zipcode
(
        zip             character(5),
        city            text,
        state           text,
        primary key (zip)
);



CREATE TABLE purchaseMain
 (
        ordno           INTEGER NOT NULL,
        sid             character (4) not null,
```

```sql
        purDate        DATE,
        itemInfo       TEXT,
        PRIMARY KEY (ordno)
);



CREATE TABLE purchaseInfo
 (
        ordno           INTEGER NOT NULL,
        sku             character (5) not null,
        qty          integer,
        priceUSD       numeric(6,2),
        PRIMARY KEY (ordno,sku)
);



-- SQL statements



-- Items Table
INSERT INTO items ( sku, description, retailUSD, qtyOnHand )
  VALUES('sk001', 'shirt', 32.05, 200);


INSERT INTO items ( sku, description, retailUSD, qtyOnHand )
  VALUES('sk002', 'jeans', 25.00, 125);


INSERT INTO items (sku, description, retailUSD, qtyOnHand)
  VALUES('sk003', 'beanies', 10.00, 75);
```

```sql
-- Suppliers Table
INSERT INTO supplier(sid, address, zip, contactNum, payTerm)
  VALUES('s001', '200 Wilbur St','32050', '1393557867', 30);


INSERT INTO supplier(sid, address, zip, contactNum, payTerm)
  VALUES('s002', '1010 Database Dr.', '78390', '1767895678', 90);


INSERT INTO supplier(sid, address, zip, contactNum, payTerm)
  VALUES('s003', '343 Main St.', '12582', '8452264000', 30);



-- Zipcde table
insert into zipcode(zip, city, state)
  values ('32050', 'Phoenix', 'Arizona');


insert into zipcode(zip, city, state)
  values ('78390', 'Honolulu', 'Hawaii');


insert into zipcode(zip, city, state)
  values ('12582', 'Stormville', 'New York');



-- Purchases Main Table
insert into purchaseMain(ordno, sid, purDate, itemInfo)
  values ('1001', 's001', '2015-01-15', 'Red shirt');


insert into purchaseMain(ordno, sid, purDate, itemInfo)
  values ('1002', 's002', '2015-02-20', 'Blue Jeans');
```

```sql
insert into purchaseMain(ordno, sid, purDate, itemInfo)
  values ('1003', 's003', '2015-03-17', 'Neff Beanies');




--Purchases Info Table
insert into purchaseInfo(ordno, sku, qty, priceUSD)
  values ('1001', 'sk001', 10, 320.50);


insert into purchaseInfo(ordno, sku, qty, priceUSD)
  values ('1002', 'sk002', 40, 1000.00);


insert into purchaseInfo(ordno, sku, qty, priceUSD)
  values ('1003', 'sk003', 150, 1500.00);
```