Products (**productid**, name, productid, expiration date, price, tax rate, quantity, supplier)

Customers (**customerid**, name, address, customerid, phone, payment info,)

Purchase (**purchaseid**, customerid, productid, date time, quantity, price, tax, total cost)

Name: Adding a new product into the system

Steps:

|  |  |
| --- | --- |
| **Actor** | **System** |
| 1. Choose command “Add Product”  Main screen: | 2. Display “Add Product” screen  “Add Product” screen: |
| 3. Input data then click “Add” button  “Add Product” screen with data: | 4. Hide “Add Product” screen and display “Add Product Successfully” screen:  “Add Product Successfully” screen: |
| 5. Click on “OK” button: | 6. Display “Main” screen |

Name: Add a new customer into the system

Step:

|  |  |
| --- | --- |
| **Actor** | **System** |
| 1. Choose command “Add customer”  Main screen: | 2. Display “Add customer” screen  “Add customer” screen: |
| 3. Input data then click “Add” button  “Add customer” screen with data: | 4. Hide “Add customer” screen and display “Add Product Successfully” screen:  “Add customer Successfully” screen: |
| 5. Click on “OK” button: | 6. Display “Main” screen |

Name: Add purchase to the system

Step:

|  |  |
| --- | --- |
| **Actor** | **System** |
| 1. Choose command “Add Purchase”  Main screen: | 2. Display “Add purchase” screen  “Add purchase” screen: |
| 3. Input data then click “Add” button  “Add purchase” screen with data: | 4. Hide “Add purchase” screen and display “Add Product Successfully” screen:  “Add purchase Successfully” screen: |
| 5. Click on “OK” button: | 6. Display “Main” screen |

Products

Customers

purchase

CREATE TABLE IF NOT EXISTS "Purchase" (

"purchaseid" int NOT NULL,

"customerid" INTEGER NOT NULL,

"productid" int NOT NULL,

"date" int,

"quantity" int,

"price" int,

"tax" int,

"totalcost" int,

PRIMARY KEY("purchaseid")

);

CREATE TABLE IF NOT EXISTS "customers" (

"customerid" int NOT NULL,

"name" varchar(100),

"address" varchar(100),

"phone" int,

"paymentinfo" archar(100),

PRIMARY KEY("customerid")

);

CREATE TABLE IF NOT EXISTS "Products" (

"productid" INTEGER NOT NULL,

"name" TEXT,

"expiration" INTEGER,

"price" NUMERIC,

"taxrate" NUMERIC,

"quantity" INTEGER,

"supplier" TEXT

PRIMARY KEY(“puchaseid”),

FOREIGN KEY(“customeid”) REFERENCES

Customer(“customerid”),

FOREIGN KEY(“productid”) REFFERENCES

Product(“productid”)

);

INSERT INTO "Purchase" VALUES (1,1,1,1,5,3,0.07,15);

INSERT INTO "Purchase" VALUES (2,2,2,2,4,6,0.07,24);

INSERT INTO "Purchase" VALUES (3,3,3,3,9,2,0.07,18);

INSERT INTO "Purchase" VALUES (4,4,4,4,7,5,0.07,35);

INSERT INTO "Purchase" VALUES (5,5,5,5,3,6,0.07,18);

INSERT INTO "Purchase" VALUES (6,4,5,6,6,4,0.07,24);

INSERT INTO "Purchase" VALUES (7,3,3,6,8,6,0.07,48);

INSERT INTO "Purchase" VALUES (8,3,2,8,4,7,0.07,28);

INSERT INTO "Purchase" VALUES (9,1,4,9,1,10,0.07,10);

INSERT INTO "Purchase" VALUES (10,2,3,10,3,2,0.07,6);

INSERT INTO "customers" VALUES (1,'kevien','Auburn',3341111111,'cash');

INSERT INTO "customers" VALUES (2,'vincent','Auburn',3342222222,'credit card');

INSERT INTO "customers" VALUES (3,'Jay','Auburn',3343333333,'cash');

INSERT INTO "customers" VALUES (4,'Andy','Auburn',3343333933,'cash');

INSERT INTO "customers" VALUES (5,'Tom','Auburn',3342587694,'credit card');

INSERT INTO "Products" VALUES (1,'banana',7,2,0.07,100,'company A');

INSERT INTO "Products" VALUES (2,'apple',10,3,0.07,100,'company B');

INSERT INTO "Products" VALUES (3,'peach',10,5,0.07,100,'company C');

INSERT INTO "Products" VALUES (4,'mango',7,4,0.07,100,'company D');

INSERT INTO "Products" VALUES (5,'orange',5,2,0.07,100,'company E');