Project 1

Hanwen Zhang

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: Adding a new customer into the system

Steps:

|  |  |
| --- | --- |
| **Actor** | **System** |
| 1. Choose command “Add Customer”  Main screen: | 2. Display “Add Customer” screen  “Add Customer” screen:  83de9bd9cdb695732cdf9349797f94b |
| 3. Input data then click “Add” button  “Add Customer” screen with data:  e4cd4b312d930125b1ae6942c2e7391 | 4. Hide “Add Customer” screen and display “Add Customer Successfully” screen:  “Add Customer Successfully” screen: |
| 5. Click on “OK” button: | 6. Display “Main” screen |

Name: Adding a new purchase into the system

Steps:

|  |  |
| --- | --- |
| **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:  89d5547b885bbbe153b15ccf6487998 | 4. Hide “Add Purchase” screen and display “Add Purchase Successfully” screen:  “Add Purchase Successfully” screen: |
| 5. Click on “OK” button: | 6. Display “Main” screen |

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

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

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

Manufactured date

productid

phone

date

Purchaseid

customerid

Customerid

Payment info

name

barcode

tax

Customers

Expiration date

buy

Products

Tax rate

productid

price

supplier

quantity

name

address

Total cost

quantity

price

Customer:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CustomerID** | **Name** | **Phone** | **Address** | **Paymentinfo** |
| 3 | Hanwen Zhang | 857-225-3703 | Auburn | Credit |
| 4 | Tony Brown | 111-111-1111 | New York | Cash |
| 5 | Pual Smith | 222-333-4444 | Boston | Credit |
| 6 | Taylor Swift | 333-777-5555 | Philadelphia | Paypal |
| 7 | Yawen Pan | 111-222-3333 | Shanghai | Credit |

Product:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **productid** | **barcode** | **name** | **expiration date** | **price** | **tax rate** |
| 1 | 123 | Potato | 9/29/2019 | 10.0 | 2% |
| 4 | 678 | Tomato | 9/28/2019 | 10.0 | 2% |
| 5 | 789 | Steak | 9/23/2019 | 30.0 | 2% |
| 2 | 234 | Milk | 9/19/2019 | 10.0 | 2% |
| 3 | 456 | Egg | 10/10/2019 | 10.0 | 2% |

Purchase:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **purchaseid** | **customerid** | **productid** | **date time** | **quantity** | **price** | **tax** |
| 11 | 3 | 1 | 9/10/2019 | 3 | 30.0 | 0.6 |
| 12 | 4 | 4 | 9/10/2019 | 3 | 30.0 | 0.6 |
| 18 | 5 | 5 | 9/10/2019 | 2 | 60.0 | 1.2 |
| 22 | 6 | 2 | 9/10/2019 | 1 | 10.0 | 0.2 |
| 32 | 7 | 3 | 9/10/2019 | 5 | 50.0 | 1.0 |
| 39 | 0 | 1 | 9/10/2019 | 10 | 100.0 | 2.0 |
| 53 | 0 | 3 | 9/10/2019 | 10 | 100.0 | 2.0 |
| 69 | 0 | 4 | 9/10/2019 | 3 | 30.0 | 0.6 |
| 72 | 0 | 5 | 9/10/2019 | 3 | 90.0 | 1.8 |
| 90 | 0 | 2 | 9/10/2019 | 10 | 100.0 | 7.0 |

CREATE TABLE "Customers" (

"CustomerID" INTEGER NOT NULL,

"Name" TEXT DEFAULT 'Hanwen Zhang',

"Phone" TEXT DEFAULT '857-225-3703',

"Address" TEXT DEFAULT 'Auburn',

"Paymentinfo" TEXT DEFAULT 123,

PRIMARY KEY("CustomerID")

);

CREATE TABLE "Purchase" (

"purchaseid" INTEGER NOT NULL,

"customerid" INTEGER NOT NULL,

"productid" INTEGER NOT NULL,

"date time" TEXT DEFAULT '9/10/2019',

"quantity" INTEGER DEFAULT 3,

"price" REAL DEFAULT 100,

"tax" REAL DEFAULT 7,

PRIMARY KEY("purchaseid","customerid","productid")

);

CREATE TABLE "Products" (

"productid" INTEGER NOT NULL,

"barcode" TEXT DEFAULT 123,

"name" TEXT DEFAULT 'Hanwen Zhang',

"expiration date" TEXT DEFAULT '9/10/2020',

"price" REAL DEFAULT 100,

"tax rate" REAL DEFAULT '2%',

"quantity" REAL DEFAULT 1,

"supplier" TEXT DEFAULT 'Tobby',

"manufactured date" TEXT DEFAULT '9/10/2019',

PRIMARY KEY("productid")

);

INSERT INTO "main"."Customers" ("CustomerID", "Name", "Phone", "Address", "Paymentinfo")

VALUES ('3', 'Hanwen Zhang', '857-225-3703', 'Auburn', 'Credit');

('4', 'Tony Brown', '111-111-1111', 'New York', 'Cash');

('5', 'Pual Smith', '222-333-4444', 'Boston', 'Credit');

('6', 'Taylor Swift', '333-777-5555', 'Philadelphia', 'Paypal');

('7', 'Yawen Pan', '111-222-3333', 'Shanghai', 'Credit');

INSERT INTO "main"."Products" ("productid", "barcode", "name", "expiration date", "price", "tax rate") VALUES ('1', '123', 'Potato', '9/29/2019', '10.0', '2%');

('4', '678', 'Tomato', '9/28/2019', '10.0', '2%');

('5', '789', 'Steak', '9/23/2019', '30.0', '2%');

('2', '234', 'Milk', '9/19/2019', '10.0', '2%');

('3', '456', 'Egg', '10/10/2019', '10.0', '2%');

INSERT INTO "main"."Purchase" ("purchaseid", "customerid", "productid", "date time", "quantity", "price", "tax")

VALUES ('11', '3', '1', '9/10/2019', '3', '30.0', '0.6');

('12', '4', '4', '9/10/2019', '3', '30.0', '0.6');

('18', '5', '5', '9/10/2019', '2', '60.0', '1.2');

('22', '6', '2', '9/10/2019', '1', '10.0', '0.2');

('32', '7', '3', '9/10/2019', '5', '50.0', '1.0');

('39', '0', '1', '9/10/2019', '10', '100.0', '2.0');

('53', '0', '3', '9/10/2019', '10', '100.0', '2.0');

('69', '0', '4', '9/10/2019', '3', '30.0', '0.6');

('72', '0', '5', '9/10/2019', '3', '90.0', '1.8');

('90', '0', '2', '9/10/2019', '10', '100.0', '7.0');