COMP 3700

Project 3

Design Document

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User Stories

Name: I plan to add a new product into the system, as a user. (You Are Manager)

Steps:

|  |  |
| --- | --- |
| 1. At first we need login the system (as a manager). | 1. The manager view |
| 1. Then click the “Manage Products” will show the following view | 1. We fill in the information for the new product, and then save it. We will receive a message stating our addition was successful. |

Name: I plan to update a product in the system, as a user. (You Are Manager)

Steps:

|  |  |
| --- | --- |
| 1. At first we need login the system (as a manager). | 1. The manager view |
| 1. Then click the “Manage Products” will show the following view | 1. We fill in the information and load our desired product into the screen. The remaining details will load in. |
| 1. Next we will change our desired information and click the “Save Product” button. | 1. Finally we will receive a conformation that the information has been changed. |

Name: I plan to add a new customer into the system, as a user. (You Are Manager)

Steps:

|  |  |
| --- | --- |
| 1. At first we need login the system (as a manager). | 1. The manager view |
| 1. Then click the “Manage Customer” will show the following view | 1. We fill in the information for the new customer, and then save it. We will receive a message stating our addition was successful. |

Name: I plan to update a customer in the system, as a user. (You Are Manager)

Steps:

|  |  |
| --- | --- |
| 1. At first we need login the system (as a manager). | 1. The manager view |
| 1. Then click the “Manage Customers” will show the following view | 1. We fill in the information and load our desired customer into the screen. The remaining details will load in. |
| 1. Next we will change our desired information and click the “Save Customer” button. | 1. Finally we will receive a conformation that the information has been changed. |

Name: I plan to add a new purchase into the system, as a user. (You Are Customer)

Steps:

|  |  |
| --- | --- |
| 1. At first we need login the system (as a customer). | 1. The customer view. |
| 1. We click the “Make a Purchase” button to add a new purchase into the system. | 1. We fill in the information for the new purchase, and save it. We will receive a message stating our addition was successful. |

Name: I want to update a purchase in the system, as a user. (You Are Customer)

Steps:

|  |  |
| --- | --- |
| 1. At first we need login the system (as a customer). | 1. The customer view. |
| 1. We click the “Cancel a Purchase” button to cancel a purchase from the system. | 1. we fill in the information to cancel our purchase. We will receive a message confirming we have cancelled our desired purchase. |

Customers:

CREATE TABLE “Customers” (

“CustomerID” INTEGER NOT NULL UNIQUE,

“Name” TEXT NOT NULL,

“Phone” TEXT NOT NULL,

“Address” TEXT NOT NULL

);

Products:

CREATE TABLE “Products” (

“ProductID” INTEGER NOT NULL UNIQUE,

“Name” TEXT NOT NULL,

“Price” REAL NOT NULL,

“Quantity” INTEGER NOT NULL

);

Purchases:

CREATE TABLE “Purchases” (

“PurchaseID” INTEGER NOT NULL UNIQUE,

“ProductID” INTEGER NOT NULL,

“CustomerID” INTEGER NOT NULL,

“Price” NUMERIC NOT NULL,

“Quantity” NUMERIC NOT NULL,

“Cost” NUMERIC NOT NULL,

“Tax” NUMERIC NOT NULL,

“Total” INTEGER NOT NULL,

“Date” TEXT NOT NULL

);

Users:

CREATE TABLE “Users” (

“Username” TEXT NOT NULL UNIQUE,

“Password” TEXT NOT NULL,

“Fullname” TEXT NOT NULL,

“UserType” INTEGER NOT NULL

);

Insert Data SQL:

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');