

CS213 File Project

<pre>class Product { public: int Pid; string Pname; int stock; int price; int exp_month; int exp_year; Product *pNext; }; class clistproduct { public: Product*phead; Product *ptail; };</pre>	<pre>class Customer { public: int Pid; string cname; string pass; Customer *pNext; }; class clistCustomer { public: Customer*phead; Customer *ptail; };</pre>
<pre>class Orders { public: int Pid; int Cid; Orders *pNext; }; class clistOrders { public: Orders *phead; Orders *ptail; };</pre>	<pre>class Admin { public: int Pid; string cname; string pass; Admin *pNext; }; class clist Admin { public: Admin *phead; Admin *ptail; };</pre>

Requirements for the Customer

1. Sign in for the customer if not in the file.
2. Do a registration for a new customer. (increment the customer Id)
3. Display all the products (Stock > 0).
4. Let the customer Buy any product. (Decrease the Stock)
User enters the product id and the quantity.
5. Let the customer Return any product. (Increase the Stock)
User enters the product id.
6. Display the Receipt for that customer.
7. Log out.

Requirements for the Admin

1. Sign in.
2. Display all Products.
3. Adjust any Product (Using Product ID) (as an input).
4. Delete any Product (Using Product ID) (as an input).
5. Add new Product. (increment the product Id)
6. Display all products that the stock is less than a specific quantity (as an input).
7. Display how many orders are done by a specific customer. (Using Customer ID) (as an input).
8. Log out.

Write all the information back in the file (you are only allowed to use 4 files)