

**Computer and Laptop Accessories Management System**

**Submitted By:**

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**Submitted To:**

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**CS 162 Object Oriented Programming**

**Department of Computer Science**

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**Abstract:**

In this program, there will be three users.

1. Admin.
2. Employee.
3. Customer.

* Admin can add employees, delete employee, view the employees and view the available stock.
* Employee can add items category wise. There are two categories: “Computer” and “Laptop”. Employee can view all the added products, change the prices of products, sort the products in descending order and change the password of their account.
* Customer can view the available stock, place the order and pay the bill.

**Functional Requirement:**

There are three type of users:

1. Admin.
2. Employee
3. Customer

**For Admin:**

1. As a admin, I can add employees.
2. As a admin, I can view employees.
3. As a admin. I can delete employees.
4. As a admin, I can view the available stock.

**For Employee:**

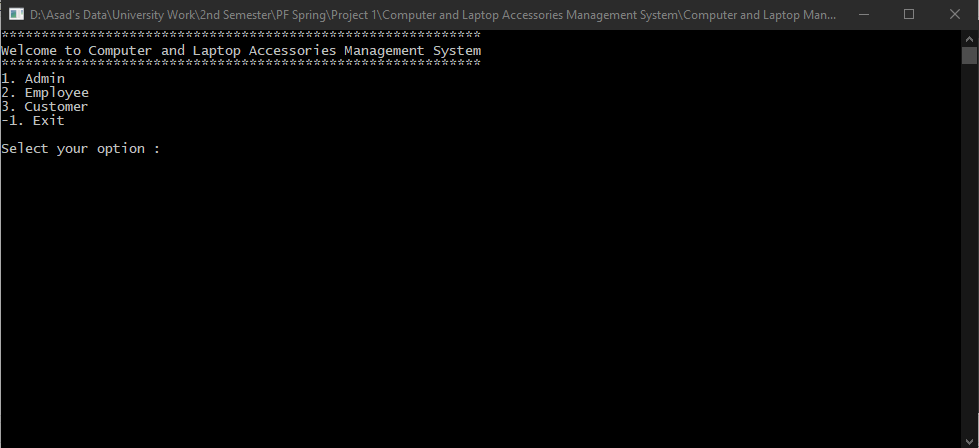
1. As a employee, I can add items category wise.
2. As a employee, I can view items category wise.
3. As a employee, I can change price of entered products.
4. As a employee, I can sort the products in descending order.
5. As a employee, I can change the password of account.

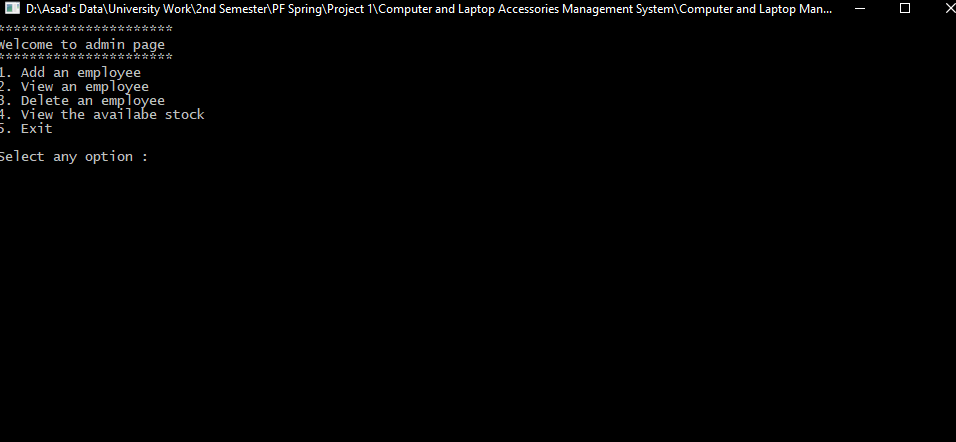
**For Customer:**

1. As a customer, I can view the available stock.
2. As a customer, I can place my order.
3. As a customer, I can pay the bill.

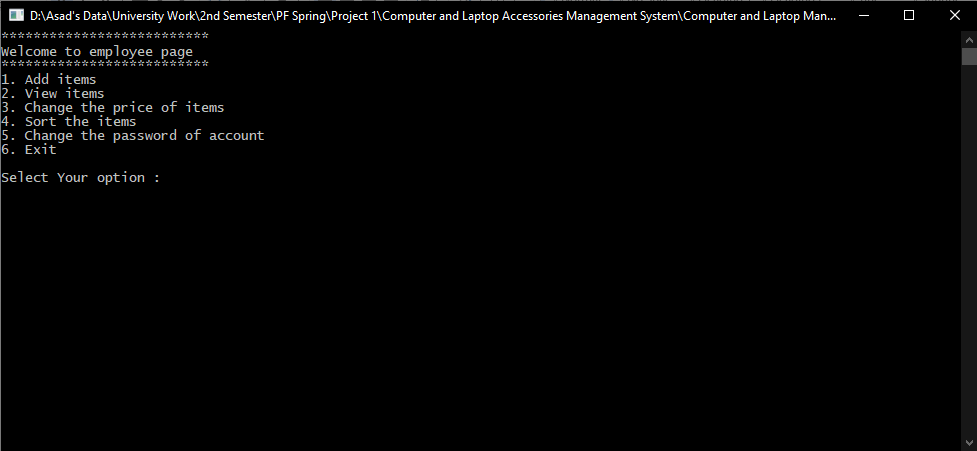
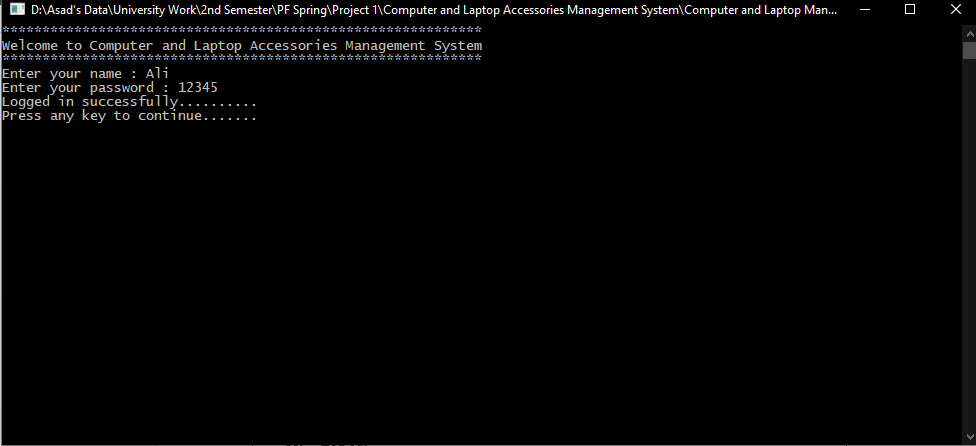
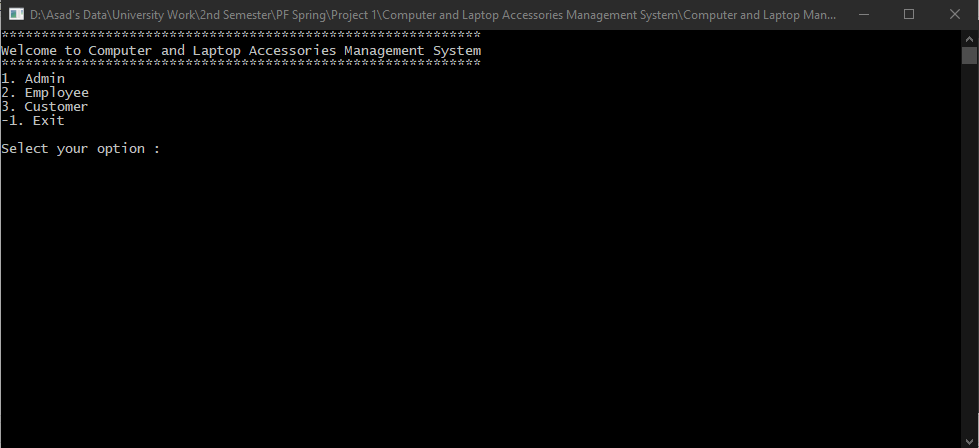
**Wireframes:**

**Admin:**

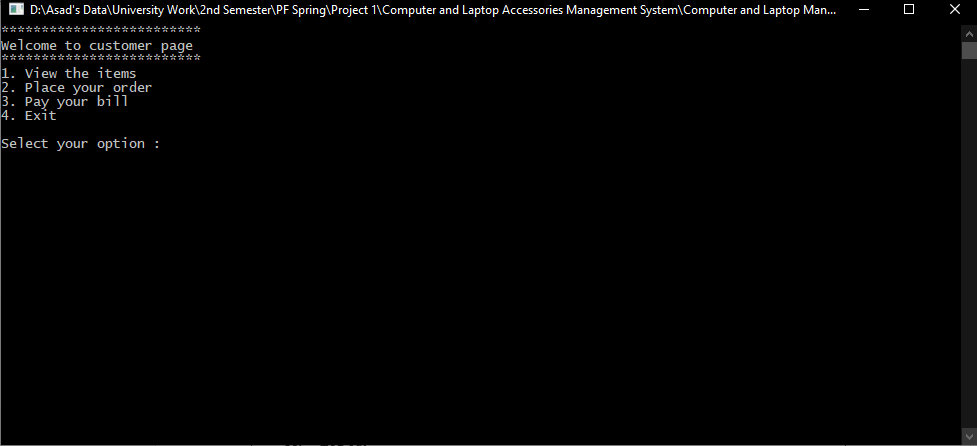
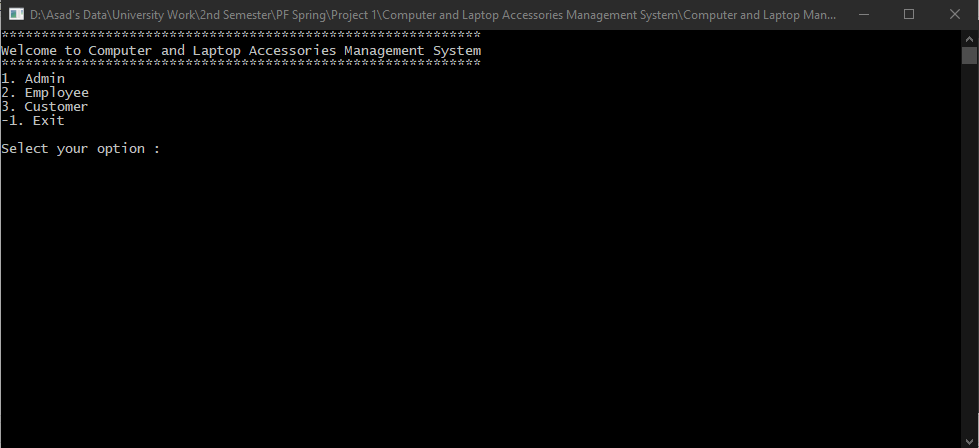
****



**Employee:**



**Customer:**



**Data Structure:**

Globally declared variables and arrays:

**Variables:**

int i=0;

int q=0;

int r=0;

int t=0;

int a=0;

int s=0;

int id3=0;

int id5=0;

string select;

string computer\_order\_item;

string laptop\_order\_item;

int computer\_order\_quantity;

int laptop\_order\_quantity;

**Arrays:**

string employee\_name[10];

string employee\_pass[10];

string employee\_cnic[10];

string computer\_items[10];

int computer\_price[10];

int computer\_quantity[10];

string laptop\_items[10];

int laptop\_price[10];

int laptop\_quantity[10];

string computerorder[10];

int computerquantity[10];

string laptoporder[10];

int laptopquantity[10];

**Functions:**

void main\_menu();

void admin(int option);

void admin\_welcome();

void add\_employee();

void view\_employee();

void delete\_employee();

void view\_stock();

void employee(int option);

void employee\_welcome();

void add\_items();

void view\_items();

void price\_change();

void sorting();

void password\_change();

void customer(int option);

void customer\_welcome();

void place\_the\_order(string select);

void pay\_the\_bill();

**Function Header and Description:**

void main\_menu();

This Function will display the main menu.

void admin(int option);

This Function will call entire admin port

void admin\_welcome();

This function will display admin welcome.

void add\_employee();

This Function will be used to add employees.

void view\_employee();

This function will be used to view all the added employees.

void delete\_employee();

This function will be used to deleted employee.

void view\_stock();

This function will display all the products added.

void employee(int option);

This function will call entire employee portion.

void employee\_welcome();

This function will display employee welcome.

void add\_items();

This function will used to add products category wise.

void view\_items();

This function will used to view products category wise.

void price\_change();

This function will used to change the price of products.

void sorting();

This function will sort all the products in descending order.

void password\_change();

This function will used to change the password of login account.

void customer(int option);

This function will be used to call entire customer portion.

void customer\_welcome();

This function will be used to display customer welcome.

void place\_the\_order(string select);

This function will be used to place order by customer.

void pay\_the\_bill();

This function will be used to pay the bill by customer.

**Flow Chart of all functions:**

Add\_employee();

View\_stock();

Delete\_employee();

View\_employee();

Sorting();

Change\_the\_password();

Change\_the\_price()

View\_items();

Add\_items();

Pay\_the\_bill();

Place\_the\_order();

View\_stock();

**Code:**

using System;

using System.IO;

namespace Computer\_And\_Laptop\_Accessories\_Management\_System

{

class Program

{

// Arrays

static string [] employee\_name = new string[10];

static string [] employee\_cnic = new string[10];

static string [] employee\_pass = new string[10];

static string [] employee\_name2 = new string[10];

static string [] employee\_cnic2 = new string[10];

static string [] employee\_pass2 = new string[10];

static string [] computer\_items = new string[10];

static int [] computer\_price = new int[10];

static int [] computer\_quantity = new int[10];

static string [] computer\_items2 = new string[10];

static int [] computer\_price2 = new int[10];

static int [] computer\_quantity2 = new int[10];

static string [] laptop\_items = new string[10];

static int [] laptop\_price = new int[10];

static int [] laptop\_quantity = new int[10];

static string [] laptop\_items2 = new string[10];

static int [] laptop\_price2 = new int[10];

static int [] laptop\_quantity2 = new int [10];

static string [] computerorder = new string[10];

static int [] computerquantity = new int[10];

static string [] laptoporder = new string[10];

static int [] laptopquantity = new int[10];

// Counters and variables

static int i=0;

static int q=0;

static int r=0;

static int t=0;

static int a=0;

static int s=0;

static int id3=0;

static int id5=0;

static int s1=0;

static int idx\_1=0;

static int s2=0;

static int idx\_2=0;

static int s\_3=0;

static int idx\_3=0;

static int s\_2=0;

static int a\_2=0;

static string file = "D://Asad's Data/University Work/Object Oriented Programming ( Summer )/Week 1/Project/Computer And Laptop Accessories Management System/admin.txt";

static string file2 = "D://Asad's Data/University Work/Object Oriented Programming ( Summer )/Week 1/Project/Computer And Laptop Accessories Management System/items.txt";

static string file3 = "D://Asad's Data/University Work/Object Oriented Programming ( Summer )/Week 1/Project/Computer And Laptop Accessories Management System/items2.txt";

static string select;

static string computer\_order\_item;

static string laptop\_order\_item;

static int computer\_order\_quantity;

static int laptop\_order\_quantity;

static string write\_emp\_name;

static string write\_emp\_cnic;

static string write\_emp\_pass;

static void main\_menu()

{

Console.WriteLine("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

Console.WriteLine("Welcome to Computer and Laptop Accessories Management System");

Console.WriteLine("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

}

static void admin\_welcome()

{

Console.WriteLine("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

Console.WriteLine("Welcome to admin page ");

Console.WriteLine("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

}

static void admin(int option)

{

Console.Clear();

string user = "Asad"; // admin fixed username

string pass = "12345"; // admin fixed password

string userName;

string userPass;

main\_menu();

Console.WriteLine("Enter your name : ");

userName = Console.ReadLine();

Console.WriteLine("Enter your password : ");

userPass = Console.ReadLine();

if(userName==user && userPass==pass)

{ // this will check admin name and pass is correct or not

Console.WriteLine("Logged in successfully..........");

Console.WriteLine("Press any key to continue....... ");

Console.ReadLine();

Console.Clear();

admin\_welcome();

while(option!=5)

{

Console.WriteLine("1. Add an employee ");

Console.WriteLine("2. View an employee ");

Console.WriteLine("3. Delete an employee ");

Console.WriteLine("4. View the availabe stock ");

Console.WriteLine("5. Exit ");

Console.WriteLine("Select any option : ");

option = int.Parse(Console.ReadLine());

if(option==1)

{

add\_employee(); // this will call add employee function

read\_employee();

}

if(option==2)

{

view\_employee(); // this will call view employee function

Console.ReadLine();

Console.Clear();

admin\_welcome();

}

if(option==3)

{

delete\_employee(); // this will call delete the employee function

Console.ReadLine();

Console.Clear();

admin\_welcome();

}

if(option==4)

{

view\_stock(); // this will call view stock function

Console.ReadLine();

Console.Clear();

admin\_welcome();

}

if(option==5){

Console.Clear();

main\_menu();

}

}

}

else

{

Console.WriteLine("Invalid uername or password.......");

Console.WriteLine("Try again .....");

Console.ReadLine();

Console.Clear();

main\_menu();

}

}

static void add\_employee()

{

Console.Clear();

string agree;

admin\_welcome();

Console.WriteLine("There are some rules for the job. ");

Console.WriteLine("1. You have to come on time which is 9'o clock. ");

Console.WriteLine("2. Your job time will be 8 hours. ");

Console.WriteLine("3. You will get salary on 5 of every month and your salary will be fixed which is 15000. ");

Console.WriteLine("Are you agree to all the terms and conditions : ");

agree = Console.ReadLine();

if(agree=="Yes")

{

Console.WriteLine("Enter your name : ");

employee\_name[i] = Console.ReadLine();

write\_emp\_name = employee\_name[i];

Console.WriteLine("Enter your CNIC number : ");

employee\_cnic[i] = Console.ReadLine();

write\_emp\_cnic = employee\_cnic[i];

Console.WriteLine("Enter your password : ");

employee\_pass[i] = Console.ReadLine();

write\_emp\_pass = employee\_pass[i];

Console.WriteLine("Congratulations!!!You are hired....... "); // employee will be added one by one

Console.ReadLine();

File.WriteAllText(file,write\_emp\_name + "," + write\_emp\_cnic + "," + write\_emp\_pass);

q=i; // this counter will take index value

i++;

Console.Clear();

admin\_welcome();

}

if(agree=="No")

{

Console.WriteLine("Hope for your better future.Have a nice day ");

Console.ReadLine();

Console.Clear();

admin\_welcome();

}

}

static void read\_employee()

{

string record = File.ReadAllText(file);

employee\_name2[idx\_1] = (getrecord(record, 0));

employee\_cnic2[idx\_1] = (getrecord(record, 1));

employee\_pass2[idx\_1] = (getrecord(record, 2));

s1=idx\_1;

idx\_1++;

}

static void view\_employee()

{

Console.Clear();

admin\_welcome();

Console.WriteLine("Employee Name"+"\t"+"CNIC Number"+"\t"+"Password");

for(int k1=0;k1<=q;k1++)

{

Console.WriteLine(employee\_name2[k1]+"\t"+employee\_cnic2[k1]+"\t"+employee\_pass2[k1]);

}

}

static void delete\_employee()

{

Console.Clear();

string name,cnic,password;

bool isFound = false;

admin\_welcome();

Console.WriteLine("Enter your name : ");

name = Console.ReadLine();

Console.WriteLine("Enter your CNIC number : ");

cnic = Console.ReadLine();

Console.WriteLine("Enter your password : ");

password = Console.ReadLine();

for(int w=0;w<=q;w++)

{

if(name==employee\_name2[w] && cnic==employee\_cnic2[w] && password==employee\_pass2[w])

{

employee\_name2[w]=" ";

employee\_cnic2[w]=" ";

employee\_pass2[w]=" ";

isFound = true;

}

}

if(isFound == true)

{

Console.WriteLine("User deleted successfully ......");

}

else if(isFound == false)

{

Console.WriteLine("User is not available.....");

}

}

static void view\_stock(){

Console.Clear();

admin\_welcome();

Console.WriteLine("Enter the category : ");

select = Console.ReadLine();

if(select=="Computer")

{

Console.WriteLine("Item Name "+"\t"+"Price "+"\t"+"Quantity");

for(int y=0;y<=t;y++){

Console.WriteLine(computer\_items2[y]+"\t"+computer\_price2[y]+"\t"+computer\_quantity2[y]);

}

}

if(select=="Laptop"){

Console.WriteLine("Item Name "+"\t"+"Price "+"\t"+"Quantity");

for(int y2=0;y2<=s\_2;y2++){

Console.WriteLine(laptop\_items2[y2]+"\t"+laptop\_price2[y2]+"\t"+laptop\_quantity2[y2]);

}

}

}

static string getrecord(string record, int x\_1)

{

int commas = x\_1;

int commasfound = 0;

string store\_1 = "";

int f\_1 = 0;

while (commasfound < 3 && f\_1 < record.Length)

{

char c\_1 = record[f\_1];

if (c\_1 == ',')

{

commasfound = commasfound + 1;

}

else if (commasfound == x\_1)

{

store\_1 = store\_1 + c\_1;

}

f\_1 = f\_1 + 1;

}

return store\_1;

}

static void employee\_welcome()

{

Console.WriteLine("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

Console.WriteLine("Welcome to employee page ");

Console.WriteLine("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

}

static void employee(int option)

{

Console.Clear();

string emp\_Name;

string emp\_Pass;

main\_menu();

Console.WriteLine("Enter your name : ");

emp\_Name = Console.ReadLine();

Console.WriteLine("Enter your password : ");

emp\_Pass = Console.ReadLine();

for(int e=0;e<=q;e++)

{

if(emp\_Name==employee\_name2[e] && emp\_Pass==employee\_pass2[e]){ // this will check employee username and password and then log in

Console.WriteLine("Logged in successfully..........");

Console.WriteLine("Press any key to continue....... ");

Console.ReadLine();

Console.Clear();

employee\_welcome();

while(option!=6){

Console.WriteLine("1. Add items ");

Console.WriteLine("2. View items ");

Console.WriteLine("3. Change the price of items ");

Console.WriteLine("4. Sort the items ");

Console.WriteLine("5. Change the password of account ");

Console.WriteLine("6. Exit ");

Console.WriteLine("Select Your option : ");

option = int.Parse(Console.ReadLine());

if(option==1){

add\_items();

Console.ReadLine();

Console.Clear();

employee\_welcome(); // this will call add items function

}

if(option==2){

view\_items(); // this will call view items function

Console.ReadLine();

Console.Clear();

employee\_welcome();

}

if(option==3){

price\_change(); // this will call price change function

}

if(option==4){

sorting(); // this will call sorting of items function

Console.ReadLine();

Console.Clear();

employee\_welcome();

}

if(option==5){

password\_change(); // this will call password change function

}

if(option==6){

Console.Clear();

main\_menu();

}

}

}

else if(emp\_Name!=employee\_name2[e] && emp\_Pass!=employee\_pass2[e]){

Console.WriteLine("Invalid username or password.......");

Console.ReadLine();

Console.Clear();

main\_menu();

}

}

}

static void add\_items(){

Console.Clear();

employee\_welcome();

string category;

Console.WriteLine("Enter the category : ");

category = Console.ReadLine();

if(category=="Computer")

{

add\_computer();

read\_items();

}

if(category=="Laptop")

{

add\_laptop();

read\_items2();

}

}

static void add\_computer(){

string computeritem1;

int computerprice1,computerquantity1;

string write\_com\_items;

int write\_com\_price;

int write\_com\_quan;

Console.WriteLine("Enter the item : ");

computeritem1 = Console.ReadLine();

Console.WriteLine("Enter the price of item : ");

computerprice1 = int.Parse(Console.ReadLine());

Console.WriteLine("Enter the quantity : ");

computerquantity1 = int.Parse(Console.ReadLine());

if(computerprice1>0 && computerquantity1>0){

computer\_items[r]=computeritem1;

write\_com\_items = computer\_items[r];

computer\_price[r]=computerprice1;

write\_com\_price = computer\_price[r];

computer\_quantity[r]=computerquantity1;

write\_com\_quan = computer\_quantity[r];

File.WriteAllText(file2,write\_com\_items + "," + write\_com\_price + "," + write\_com\_quan);

t=r; // this will store index value

r++;

Console.WriteLine("Item added successfully ....."); // items will be added one by one

}

else if(computerprice1<0 || computerquantity1<0)

{

Console.WriteLine("You enter invalid value.....");

}

}

static void add\_laptop(){

string laptopitem\_1;

int laptopprice\_1,laptopquantity\_1;

string write\_lap\_items;

int write\_lap\_price;

int write\_lap\_quan;

Console.WriteLine("Enter the item : ");

laptopitem\_1 = Console.ReadLine();

Console.WriteLine("Enter the price of item : ");

laptopprice\_1 = int.Parse(Console.ReadLine());

Console.WriteLine("Enter the quantity : ");

laptopquantity\_1 = int.Parse(Console.ReadLine());

if(laptopprice\_1>0 && laptopquantity\_1>0)

{

laptop\_items[a\_2]=laptopitem\_1;

write\_lap\_items = laptop\_items[a\_2];

laptop\_price[a\_2]=laptopprice\_1;

write\_lap\_price = laptop\_price[a\_2];

laptop\_quantity[a\_2]=laptopquantity\_1;

write\_lap\_quan = laptop\_quantity[a\_2];

File.WriteAllText(file3,write\_lap\_items + "," + write\_lap\_price + "," + write\_lap\_quan);

s\_2=a\_2; // this will store index value

a\_2++;

Console.WriteLine("Item added successfully ....."); // items will be added one by one

}

else if(laptopprice\_1<0 || laptopquantity\_1<0)

{

Console.WriteLine("You enter invalid value.....");

}

}

static void read\_items()

{

string record\_2 = File.ReadAllText(file2);

computer\_items2[idx\_2] = (getrecord(record\_2, 0));

computer\_price2[idx\_2] = int.Parse((getrecord(record\_2, 1)));

computer\_quantity2[idx\_2] = int.Parse((getrecord(record\_2, 2)));

s2=idx\_2;

idx\_2++;

}

static void read\_items2()

{

string record\_3 = File.ReadAllText(file3);

laptop\_items2[idx\_3] = (getrecord(record\_3, 0));

laptop\_price2[idx\_3] = int.Parse(getrecord(record\_3, 1));

laptop\_quantity2[idx\_3] = int.Parse(getrecord(record\_3, 2));

s\_3=idx\_3;

idx\_3++;

}

static void view\_items(){

Console.Clear();

employee\_welcome();

Console.WriteLine("Enter the category : ");

select = Console.ReadLine();

if(select=="Computer")

{

Console.WriteLine("Item Name "+"\t"+"Price "+"\t"+"Quantity");

for(int y\_01=0;y\_01<=t;y\_01++)

{

Console.WriteLine(computer\_items2[y\_01]+"\t"+computer\_price2[y\_01]+"\t"+computer\_quantity2[y\_01]);

}

}

if(select=="Laptop")

{

Console.WriteLine("Item Name "+"\t"+"Price "+"\t"+"Quantity");

for(int y\_2=0;y\_2<=s\_2;y\_2++)

{

Console.WriteLine(laptop\_items2[y\_2]+"\t"+laptop\_price2[y\_2]+"\t"+laptop\_quantity2[y\_2]);

}

}

}

string getrecord\_3(string record\_3, int x\_3)

{

int commas\_3 = x\_3;

int commasfound\_3 = 0;

string store\_3 = "";

int f\_3 = 0;

while (commasfound\_3 < 3 && f\_3 < record\_3.Length)

{

char c\_3 = record\_3[f\_3];

if (c\_3 == ',')

{

commasfound\_3 = commasfound\_3 + 1;

}

else if (commasfound\_3 == x\_3)

{

store\_3 = store\_3 + c\_3;

}

f\_3 = f\_3 + 1;

}

return store\_3;

}

string getrecord\_2(string record\_2, int x\_2)

{

int commas\_2 = x\_2;

int commasfound\_2 = 0;

string store\_2 = "";

int f\_2 = 0;

while (commasfound\_2 < 3 && f\_2 < record\_2.Length)

{

char c\_2 = record\_2[f\_2];

if (c\_2 == ',')

{

commasfound\_2 = commasfound\_2 + 1;

}

else if (commasfound\_2 == x\_2)

{

store\_2 = store\_2 + c\_2;

}

f\_2 = f\_2 + 1;

}

return store\_2;

}

static void price\_change(){

Console.Clear();

employee\_welcome();

int newprice;

int old\_price;

string item\_name;

Console.WriteLine("Enter the category : ");

select = Console.ReadLine();

if(select=="Computer")

{

Console.WriteLine("Enter name of item : ");

item\_name = Console.ReadLine();

Console.WriteLine("Enter price of old price of item : ");

old\_price = int.Parse(Console.ReadLine());

for(int u=0;u<=t;u++)

{

if(item\_name==computer\_items2[u] && old\_price==computer\_price2[u])

{ // this will check entered name and price is same as added

Console.WriteLine("Enter the new price of item : ");

newprice = int.Parse(Console.ReadLine());

Console.WriteLine("Price of item is changed successfully....");

Console.ReadLine();

computer\_price2[u]=newprice;

Console.ReadLine();

Console.Clear();

}

}

}

if(select=="Laptop")

{

Console.WriteLine("Enter name of item : ");

item\_name = Console.ReadLine();

Console.WriteLine("Enter price of old price of item : ");

old\_price = int.Parse(Console.ReadLine());

for(int o=0;o<=s\_2;o++)

{

if(item\_name==laptop\_items2[o] && old\_price==laptop\_price2[o])

{

Console.WriteLine("Enter the new price of item : ");

newprice = int.Parse(Console.ReadLine());

Console.WriteLine("Price of item is changed successfully....");

Console.ReadLine();

laptop\_price2[o]=newprice;

Console.ReadLine();

Console.Clear();

}

}

}

}

static void sorting(){

Console.Clear();

employee\_welcome();

int [] newarray = new int [10];

for(int f=0;f<=t;f++){

newarray[f]=computer\_price2[f];

}

int largesti=0;

int largest=0;

int [] copyarray = new int [10];

largest=newarray[0];

for(int v=0;v<=t;v++)

{

for(int x=1; x<=t; x++)

{

if(largest<newarray[x])

{

largest=newarray[x];

largesti=x;

}

}

copyarray[v]=largesti;

newarray[largesti]=-1;

largest=newarray[0];

largesti=0;

}

int []newarray2 = new int[10];

for(int f2=0;f2<=s\_2;f2++)

{

newarray2[f2]=laptop\_price2[f2];

}

int largesti2=0;

int largest2=0;

int [] copyarray2 = new int[10];

largest2=newarray2[0];

for(int v2=0;v2<=s\_2;v2++)

{

for(int x2=1; x2<=s\_2; x2++)

{

if(largest2<newarray2[x2])

{

largest2=newarray2[x2];

largesti2=x2;

}

}

copyarray2[v2]=largesti2;

newarray2[largesti2]=-1;

largest2=newarray2[0];

largesti2=0;

}

Console.WriteLine(" Following are the computer items ");

Console.WriteLine("Item Name "+"\t"+"Price "+"\t"+"Quantity");

for(int m=0;m<=t;m++)

{

int id=copyarray[m];

Console.WriteLine(computer\_items2[id]+"\t"+computer\_price2[id]+"\t"+computer\_quantity2[id]);

}

Console.WriteLine(" Following are the laptop items ");

Console.WriteLine("Item Name "+"\t"+"Price "+"\t"+"Quantity");

for(int m2=0;m2<=s\_2;m2++)

{

int id2=copyarray2[m2];

Console.WriteLine(laptop\_items2[id2]+"\t"+laptop\_price2[id2]+"\t"+laptop\_quantity2[id2]);

}

}

static void password\_change(){

Console.Clear();

employee\_welcome();

string check\_pass;

string new\_pass;

Console.WriteLine("Enter your previous password : ");

check\_pass = Console.ReadLine();

for(int id1=0;id1<=q;id1++)

{

if(check\_pass==employee\_pass2[id1])

{

Console.WriteLine("Enter your new password : ");

new\_pass = Console.ReadLine();

employee\_pass2[id1]=new\_pass;

Console.WriteLine("Your password is changed successfully.....");

Console.ReadLine();

Console.Clear();

employee\_welcome();

}

else if(check\_pass!=employee\_pass2[id1]){

Console.WriteLine("Wrong password ......");

Console.ReadLine();

Console.Clear();

employee\_welcome();

}

}

}

static void customer\_welcome()

{

Console.WriteLine("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

Console.WriteLine("Welcome to customer page ");

Console.WriteLine("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

}

static void customer(int option)

{

Console.Clear();

customer\_welcome();

while(option!=4){

Console.WriteLine("1. View the items ");

Console.WriteLine("2. Place your order ");

Console.WriteLine("3. Pay your bill ");

Console.WriteLine("4. Exit ");

Console.WriteLine("Select your option : ");

option = int.Parse(Console.ReadLine());

if(option==1){

view\_stock(); // this will call view stock function

Console.ReadLine();

Console.Clear();

customer\_welcome();

}

if(option==2){

place\_the\_order(select); // this will call place the order function

}

if(option==3){

pay\_the\_bill(); // this will call pay the bill function

Console.ReadLine();

Console.Clear();

customer\_welcome();

}

if(option==4){

Console.Clear();

customer\_welcome();

}

}

}

static void place\_the\_order(string select){

Console.Clear();

customer\_welcome();

Console.WriteLine("Select your category : ");

select = Console.ReadLine();

if(select=="Computer")

{

Console.WriteLine("Enter Your Item : ");

computer\_order\_item = Console.ReadLine();

Console.WriteLine("Enter The Quantity : ");

computer\_order\_quantity = int.Parse(Console.ReadLine());

for(int idx1=0;idx1<=t;idx1++)

{

if(computer\_order\_item==computer\_items[idx1])

{

if(computer\_quantity2[idx1]==0 || computer\_quantity2[idx1]<computer\_order\_quantity)

{

Console.WriteLine("Sorry product is not available......");

}

else if(computer\_order\_quantity<=computer\_quantity2[idx1])

{

Console.WriteLine("Your order is added successfully......");

computerorder[idx1]=computer\_order\_item;

computerquantity[idx1]=computer\_order\_quantity;

computer\_quantity2[idx1]= computer\_quantity2[idx1]-computer\_order\_quantity;

id3++;

}

}

}

}

if(select=="Laptop")

{

Console.WriteLine("Enter Your Item : ");

laptop\_order\_item = Console.ReadLine();

Console.WriteLine("Enter The Quantity : ");

laptop\_order\_quantity = int.Parse(Console.ReadLine());

for(int idx2=0;idx2<=s\_2;idx2++)

{

if(laptop\_order\_item==laptop\_items2[idx2])

{

if(laptop\_quantity2[idx2]==0 || laptop\_quantity2[idx2]<laptop\_order\_quantity){

Console.WriteLine("Sorry product is not available......");

}

else if(laptop\_order\_quantity<=laptop\_quantity2[idx2])

{

Console.WriteLine("Your order is added successfully......");

laptoporder[idx2]=laptop\_order\_item;

laptopquantity[idx2]=laptop\_order\_quantity;

laptop\_quantity2[idx2]= laptop\_quantity2[idx2]-laptop\_order\_quantity;

id5++;

}

}

}

}

Console.ReadLine();

Console.Clear();

customer\_welcome();

}

static void pay\_the\_bill(){

Console.Clear();

customer\_welcome();

int [] price1 = new int[10];

int [] price2 = new int[10];

int bill1=0,bill2=0,total=0;

for(int as1=0;as1<id3;as1++)

{

for(int as2=0;as2<=t;as2++)

{

if(computerorder[as1]==computer\_items2[as2])

{

price1[as1]=computer\_price2[as2]\*computerquantity[as1];

}

}

}

for(int b1=0;b1<id3;b1++)

{

bill1+=price1[b1];

}

for(int as3=0;as3<id5;as3++)

{

for(int as4=0;as4<=s;as4++)

{

if(laptoporder[as3]==laptop\_items2[as4]) {

price2[as3]=laptop\_price2[as4]\*laptopquantity[as3];

}

}

}

for(int b2=0;b2<id5;b2++)

{

bill2+=price2[b2];

}

Console.WriteLine("Following is the bill for computer items ");

Console.WriteLine("Name Of Items"+"\t"+"Quantity"+"\t"+"Price");

for(int id4=0;id4<id3;id4++)

{

Console.WriteLine(computerorder[id4]+"\t"+computerquantity[id4]+"\t"+price1[id4]);

}

Console.WriteLine("Your computer product bill is : "+bill1);

Console.WriteLine("Following is the bill for laptop items ");

Console.WriteLine("Name Of Items"+"\t"+"Quantity"+"\t"+"Price");

for(int id6=0;id6<id5;id6++)

{

Console.WriteLine(laptoporder[id6]+"\t"+laptopquantity[id6]+"\t"+price2[id6]);

}

Console.WriteLine("Your laptop product bill is : "+bill2);

total=bill1+bill2;

Console.WriteLine("Your total bill will be : "+total);

Console.WriteLine("Thanks For Your Payment....");

}

static void Main(string[] args)

{

main\_menu();

int option=0;

while(option!=-1){

Console.WriteLine("1. Admin ");

Console.WriteLine("2. Employee ");

Console.WriteLine("3. Customer ");

Console.WriteLine("-1. Exit ");

Console.WriteLine("Select your option : ");

option = int.Parse(Console.ReadLine());

if(option==1){

admin(option); // this will call the admin function

}

if(option==2){

employee(option); // this will call employee function

}

if(option==3){

customer(option); // this will call customer function

}

}

}

}

}