



Topic :Online Fashion Store

Group no :MLB_09.01_03

Campus : Malabe

Submission Date :

We declare that this is our own work and this Assignment does not incorporate without acknowledgment any material previously submitted by anyone else in SLIIT or any other university/Institute. And we declare that each one of us equally contributed to the completion of this Assignment.

Registration No	Name	Contact Number
IT21172182	G.L.C.N.D Wijayawardhana	0763610570
IT21170584	K.G.P Sithumini	0779233384
IT21170416	I.R.C Pamarathna	0714740710
IT21169762	S.D Keegal	0769191827
IT21171192	R.M.D.A Rathnayaka	0702715474

Exercise 01

User requirements

1. The system provide the service throughout the day.
2. In order to get the service the customer must register in the web site.
3. To register, the customer must enter a user name and password.
4. Customer can log in with Gmail or Facebook too.
5. Unregistered member can access only for view items,
if unregistered member wants to access the website, they need to register.
6. If a customer forgets the password, he can reset the password.
7. After register in to the website, the customer can view products type they like.
8. To buy an item the customer must add the item in to shopping cart.
9. The system give the details of registered customer.
10. The customer can contact the system admin through the manager.
11. Customer care officer can access the inquiries which is sent by customers.
12. Once the items add to shopping cart data will be show in the system and check the item details.
13. System admin can view the order details of the customer.

14. Accountant will generate the transaction report of the ordered details.

11. Once the confirmation is received customer can make the payment via visa, pay pal, payoneer.

12. Customer can give the feedback regarding the quality of the item.

Exercise 2

Class name: Register	
Responsibility	Collaborators
Display details	
Store data	
Validate register data	Admin

Class name: Unregister Member	
Responsibility	Collaborators
Visit to the website	
View dress items	
Search items	

Class name: Register Member	
Responsibility	Collaborators
Ordering items	Order
Fill register form	register
Request offers	Admin
Do payment	payment
Sending feedbacks	Feedback

Class name: Admin	
Responsibility	Collaborators
Validate all details	
Update the store details	
Delivery order	
Validate the payment details	

Class name: User	
Responsibility	Collaborators
Check customer password and emails	Customer

Class name: Customer	
Responsibility	Collaborators
Enter password and email	
Register to the website	register

Class name: Payment	
Responsibility	Collaborators
Validate the payment details	Admin

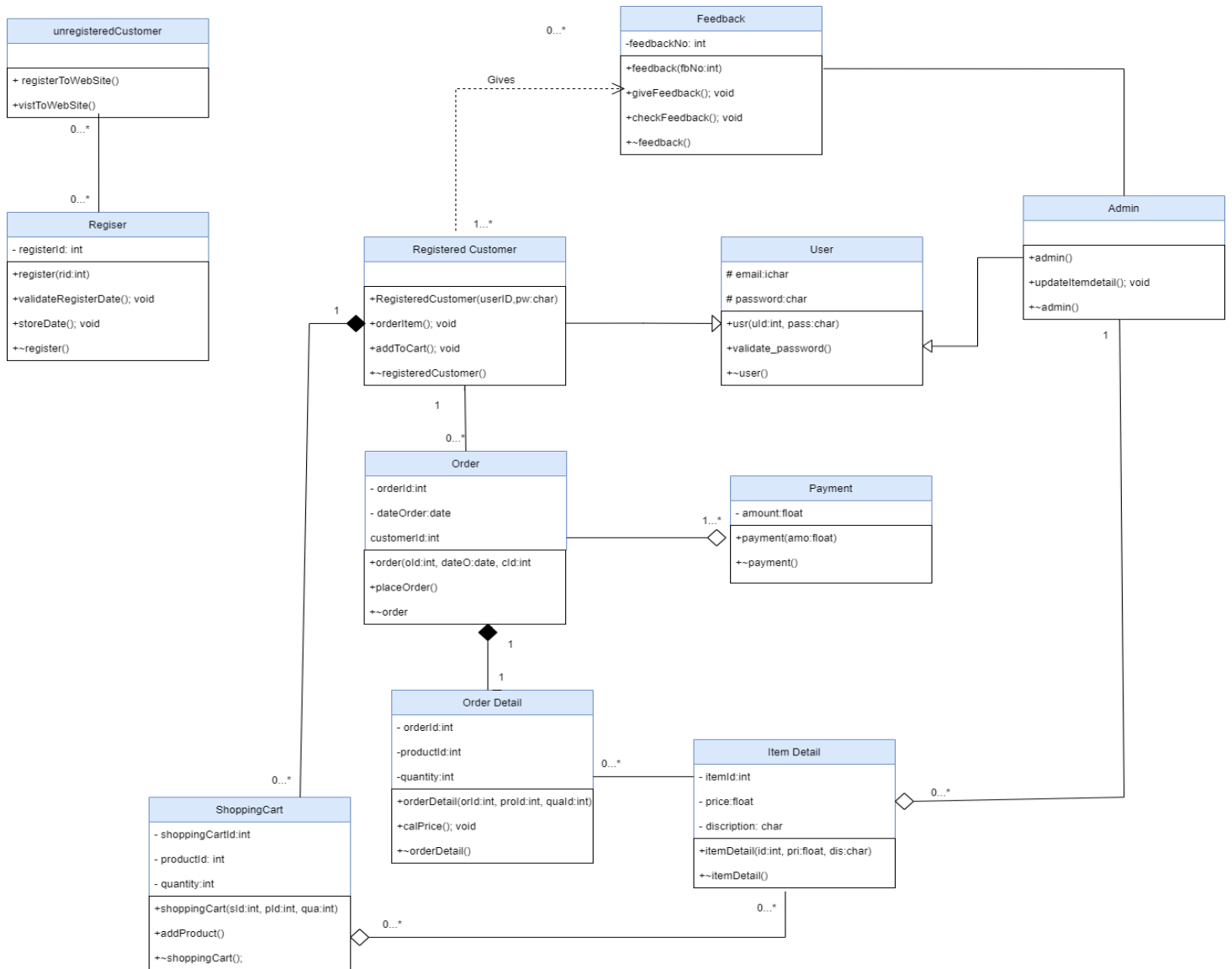
Class name: Feedback	
Responsibility	Collaborators
Give feedback	Register members
Check feedback	Admin

Class name: Order	
Responsibility	Collaborators
Place order	
Calculate price	payment

Class name: Order details	
Responsibility	Collaborators
Display order details	Order

Class name: Shopping Cart	
Responsibility	Collaborators
Edit Order Items	Order

Class Diagram



C++ Code

Admin.h

```
#pragma once

#include "user.h"

#include <iostream>
#include <string.h>

class Admin : public user
{
private:

public:
    Admin(char adminemail, char adminpass);
    void dsidplayAdminEmailPassword();
    void updateItemdetail();
    ~Admin();
};
```

Admin.cpp

```
#include "Admin.h"
#include <iostream>

void admin::dsidplayAdminEmailPassword()
{
    cout << "Email: " << email << "\nPassword: " << password << endl;
}

void Admin::updateItemdetail() {
    std::cout << "Updated";
}

Admin::~Admin(){}
```

User.h

```
class user
```

```

{
protected:
    char email[40];
    char password[20];

public:
    user();
    user(char mail[], char pass[]);
    void passwordValidation(char pass[]);
    void setEmailPass(char mail[], char pass[]);

};

```

User.cpp

```

#include "user.h"
#include<string.h>

user::user()
{
    strcpy(email, "");
    strcpy(password, "");
}

user::user(char mail[],char pass[])
{
    strcpy(email, mail);
    strcpy(password, pass);
}

void user:: passwordValidation(char pass[])
{
}

void user:: setEmailPass(char mail[],char pass[])
{
    strcpy(email, mail);
    strcpy(password, pass);}

```

unregistercustomer.h

```
class unregisteredCustomer
{
public:
    void      registerToWebSite();
    void viewWebSite();
};
```

unregistercustomer.cpp

```
#include "unregisteredCustomer.h"
```

```
void registerToWebSite()
```

```
{
```

```
}
```

```
void viewWebSite()
```

```
{
```

```
}
```

registercustomer.h

```
#pragma once
```

```
#include "user.h"
```

```
#include "soppingCart.h"
```

```
#include "Order.h"
```

```
#include <iostream>
```

```
#include <string.h>
```

```
using namespace std;
```

```
class registeredCustomer : public user
```

```
{
```

```
private:
```

```
    int cstomerID;
```

```
    char customeNname[30];
```

```
    char customerAddress[30];
```

```

        int customerMobile;

public:
        void dsidplayEmailPassword();

        registeredCustomer();

        registeredCustomer(int uId, char cName[], char cAddress[], int cMobile, int cartId1, int cartId2, int itemId1, float
price1, int itemId2, float price2);

        void set_Display(int uId, char cName[], char cAddress[], int cMobile);

        void addToCart();

void addOrder(Order *O);

void Display();

        void givFeedback();

        void registerCustomer();

        ~registeredCustomer();

};

```

registercustomer.cpp

```

#include "registeredCustomer.h"

#include "user.h"

#include "soppingCart.h"

#include "Order.h"


#include <string.h>


using namespace std;


void registeredCustomer::dsidplayEmailPassword()
{
        cout << "Email: " << email << "\nPassword: " << password << endl;
}


registeredCustomer::registeredCustomer() {

        cstomerID = 0;

        strcpy(customerName, "");

        strcpy(customerAddress, "");

        customerMobile = 0;

```

```
CartD[0] = new ShoppingCart(145);
```

```
    CartD[1] = new ShoppingCart(434);
```

```
}
```

```
registeredCustomer::registeredCustomer(int uId, char cName[], char cAddress[], int cMobile,int cartId1, int cartId2,int  
itemId1, float price1, int itemId2, float price2)
```

```
{
```

```
    cstomerID = uId;
```

```
    strcpy_s(customename, cName);
```

```
    strcpy_s(customerAddress, cAddress);
```

```
    customerMobile = cMobile;
```

```
    CartD[0] = new ShoppingCart(cartId1);
```

```
    CartD[1] = new ShoppingCart(cartId2);
```

```
    noOfOrders = 0;
```

```
}
```

```
void registeredCustomer::set_Display(int uId,char cName[],char cAddress[], int cMobile)
```

```
{
```

```
    cstomerID = uId;
```

```
    strcpy_s(customename, cName);
```

```
    strcpy_s(customerAddress, cAddress);
```

```
    customerMobile = cMobile;
```

```
}
```

```
void registeredCustomer:: givFeedback()
```

```
{
```

```
}
```

```
void registeredCustomer::addToCart()
```

```
{
```

```
    for (int i = 0; i < SIZE; i++)
```

```
    {
```

```
        CartD[i]->displayCartDetail();
```

```
    }
```

```
}
```

```

void registeredCustomer::addOrder(Order *O)
{
    if (noOfOrders < SIZE)
        OrderD[noOfOrders] = O;

    noOfOrders++;
}

void registeredCustomer::Display()
{
    cout << "customerID : " << customerID << endl;
    cout << "customerName : " << customerName << endl;
    cout << "customerAddress : " << customerAddress << endl;
    cout << "customerMobile : " << customerMobile << endl;
    for(int i = 0 ; i < noOfOrders; i++)
    {
        order[i]->displayOrders();
    }
}

registeredCustomer::~~registeredCustomer()
{
    cout << "Registered Customer Shutting down" << endl;

    for (int i = 0; i < SIZE; i++)
    {
        delete OrderD[i];
        cout << "the Orders are End" << endl;

        delete CartD[i];
        cout << "the cart is End" << endl;
    }
}

```

Register.h

```
#include<iostream>

#include<cstring>

#include "unregisteredCustomer.h"

#include "register.cpp"

//Register class

class Register
{
    private:

        int registerid;

    public:

        Register();

        Register(int rid);

        void validateReg_date();

        void storeData();

        ~Register();

};
```

Register.cpp

```
#include <iostream>

#include "register.h"

using namespace std;

Register::Register(){

    registerid = 0;

}

Register::Register(int rid){

    registerid = rid;

}

Register::validateReg_date(){
```

```
}  
Register::storeData(){
```

```
}  
Register::~Register(){
```

```
}  
Shoppingcart.h
```

```
#include <iostream>  
#include "register.h"
```

```
using namespace std;
```

```
Register::Register(){  
    registerid = 0;
```

```
}  
Register::Register(int rid){  
    registerid = rid;
```

```
}  
Register::validateReg_date(){  
  

```

```
}  
Register::storeData(){
```

```
}  
Register::~Register(){
```

```
}
```


Shoppingcart.cpp

```
#include <iostream>
```

```
#include "shoppingCart.h"
```

```
using namespace std;
```

```
ShoppingCart::ShoppingCart(){
```

```
    shoppingCartId = 0;
```

```
    productId = 0;
```

```
    quantity = 0;
```

```
}
```

```
ShoppingCart::ShoppingCart(int sId, int pId, int qua){
```

```
    shoppingCartId = sId;
```

```
    productId = pId;
```

```
    quantity = qua;
```

```
}
```

```
void ShoppingCart::addProduct(){
```

```
}
```

```
void ShoppingCart:: displayCartDetail()
```

```
{
```

```
    cout << "Shopping Cart ID :" << shoppingCartId << endl
```

```
<<"Product id : "<< productId << endl<<
```

```
"Product Quantity : "<<quantity<<endl;
```

```
}
```

```
ShoppingCart::~~ShoppingCart(){
```

```
}
```

Payment.h

```
//Payment class  
  
class Payment  
{  
  
private:  
  
    int paymentID;  
  
  
public:  
  
    Payment();  
  
    Payment(int pID);  
  
    void confirmPayment();  
  
    void displayPaymentDetails();  
  
};
```

Payment.cpp

```
#include <iostream>  
  
#include<cstring>  
  
#include"payment.h"  
  
  
using namespace std;  
  
  
void Payment::payment(int Pid, char * payDesc){  
  
}  
  
  
void payment::displayPaymentDetails(){  
  
    cout<<"Payment ID:"<<pID<<endl;  
  
    cout<<"Payment payDesc:"<<payDesc<<endl;  
  
}  
  
  
}  
  
void payment::getPaymentDetails()  
{  
  
}
```

Order.h

```
#include <iostream>

#include<cstring>

#include<string>

#include <ctime>

using namespace std;


//Order class

class Order{

    private:

        int orderId;

        int dateOrder;

        int customerId;

    public:

        void DisplayOrder();

        void placeOrder();

        void setOrder(int oId, int dateO, int cId);

};


//order details class

class OrderDetail{

    private:

        int orderId;

        int productId;

        int quality;

    public:

        void DisplayOrderDetail();

        void setOrderDetail(int orId, int proId, int quaId);

        void calPrice();

};
```

Order.cpp

```
#include <iostream>

#include<cstring>

#include<string>

#include <ctime>

#include "class.h"

using namespace std;


void Order::setOrder (int oId, int dateO, int cId){

    int( orderId = oId);

    int( dateOrder= dateO);

    int( customerId= cId);

}


void Order::DisplayOrder(){

    cout<< "orderId = " << orderId <<endl;

    cout<< "dateOrder = " << dateOrder <<endl;

    cout<< "customerId = " << customerId <<endl;

    cout<<endl;

}
```

Itemdetails.h

```
#include <iostream>

#include<cstring>

#include<string>

#include <ctime>

#include "class.h"

using namespace std;


void Order::setOrder (int oId, int dateO, int cId){

    int( orderId = oId);

    int( dateOrder= dateO);

    int( customerId= cId);

}
```

```

void Order::DisplayOrder(){

    cout<< "orderId = " << orderId <<endl;

    cout<< "dateOrder = " << dateOrder <<endl;

    cout<< "customerId = " << customerId <<endl;

    cout<<endl;

}

```

Itemdetails.cpp

```

#include "itemdetail.h"

#include<string.h>

using namespace std;

int main(){

    void ItemDetail::itemdetail (int iId){

        int( itemdetailId = iId);

    }

    void ItemDetail::itemdetail(){

        cout<< itemId <<endl;

        cout<<endl;

    }

    return 0;

}

```

Feedback.h

```

#include "itemdetail.h"

#include<string.h>

using namespace std;

int main(){

    void ItemDetail::itemdetail (int iId){

        int( itemdetailId = iId);

    }

    void ItemDetail::itemdetail(){

```

```
        cout<< itemId <<endl;

        cout<<endl;

    }

    return 0;

}
```

Feedback.cpp

```
#include"Feedback.h"

#include<iostream>

Feedback::Feedback(int fbNo) {

    feedbackNo = fbNo;

}

void Feedback::givefeedback() {

}

void Feedback::checkfeedback() {

}

void Feedback::DiplayFeedback(){

    std::cout << fbNo;

}

Feedback::~Feedback(){ }
```

Main.cpp

```
#include "user.h"

#include "registeredCustomer.h"

#include "unregisteredCustomer.h"

#include "register.h"

#include "shoppingCart.h"

#include "Order.h"


#include <iostream>

using namespace std;


int main()

{


    cout << "Registered Customer" << endl;

        registeredCustomer r;

        r.setEmailPass("chamikar22@gmail.com","abcd12345@");

        r.displayEmailPassword();

        r.set_Display(21170416,"Chamika","Kegalle", 0714740710);


    //Register

    Register R;

    R.Register();

    R.Register(1100);

    //shopping Cart

    cout<<"Shopping Cart"<<endl;

    ShoppingCart r;

    r.ShoppingCart();

    r.ShoppingCart(21172182,1100,10);

    r.displayCartDetail();

    r->addToCart();


    //order

    // Order *o1 = new Order();
```

```

        // Order *o2 = new Order();

        // Order *o3 = new Order();


order *01 = new Order("001",C1);
order *02 = new Order("002",C2);


cout << "orders of" << endl;


r.Display(); // Display registeredCustomer


char ch;
cin >> ch;


//Aamin
cout << "admin" << endl;
Admin a;
a.setEmailPass("abc@gmail.com","#123pqr");
a.dsisplayAdminEmailPassword();


        Feedback *f = new Feedback("");
f->givefeedback("",f);
f->DiplayFeedback();


        return 0;


}

```