**Bahria University, Lahore Campus**

Department of Computer Science

Assignment 05

**(Spring 2022)**

|  |  |  |
| --- | --- | --- |
| Course: | **Object Oriented Programming - Lab** | Date: \_30 / 6 / 22\_\_ |
| Course Code: | CSL-210 | Max Marks: 10 |
| Faculty’s Name: | Ms. Zupash Awais |  |

Name: \_ **Muhammad Haris** \_\_\_\_\_ Enroll No: \_\_**03-134212-062**\_\_ Class: \_BSCS – 2 \_

**Project Name: \_\_\_\_Daraz App\_\_\_\_**

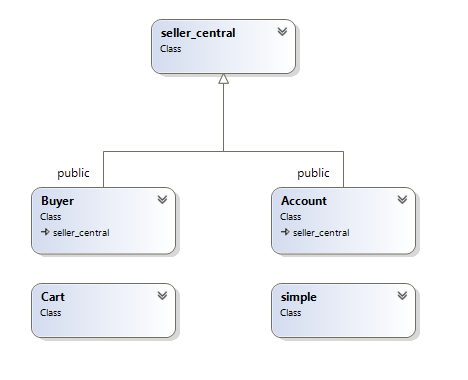
**Project Member(s):**

1. **Name: \_Muhammad Haris Yasir \_ Enrollment: \_ 03-134212-062\_\_\_\_\_\_\_\_**
2. **Name: \_ Muhammad Umar Tariq\_ Enrollment: \_\_\_\_03-134212-075\_\_\_\_\_\_\_\_**

**Project Module#2 (Class Diagram)**

1. Draw complete class diagram of your project
2. Give proper explanation of each relationship.
3. Show appropriate symbols for each relation defined.
4. Define proper actions for each connection.

**Note: Those who are not enrolled in Lab need to make complete class diagram for PacMan Game.**



The base class is seller central and two classes buyer and account are publically inherited by seller central. The other two classes are cart and simple.

* **Seller Central:**

Its Data members are: a, aa, buy, category, des, ID, price, product, stock.

Its Member functions are: deletePR, purchase, Search, seller, seller\_central.

* **Buyer:**

Its Data members are: brand, buy.

Its Member functions are: buyer.

* **Account:**

Its Data members are: Address, age, br, br\_name, CNIC, email, gander, name, np, nu, password, phone\_no, re\_pass and submit.

Its Member functions are: Account, Login, signup, userLogin, userSignIN.

* **Cart:**

Its Data members are: a, address, confirm, cr\_ID, pay.

Its Member functions are: Cart, delivery, Payment, product.

* **Simple:**

Its Data members are: id, Name, Price, quantity and Total.

Its Member functions are: operator+.

**Code:**

**#include<SFML/Graphics.hpp>**

**#include<fstream>**

**#include<iomanip>**

**#include<iostream>**

**#include<string>**

**#include<Windows.h>**

**using namespace std;**

**using namespace sf;**

**int stock = 500;**

**class simple**

**{**

**public:**

**int id, Price, quantity, Total;**

**string Name;**

**int operator+(simple& temp)**

**{**

**c->Total = c->Total + temp.Total;**

**return c->Total;**

**}**

**}c[100];**

**class Cart**

**{**

**string address, confirm, cr\_ID;**

**int a = 0, pay;**

**public:**

**Cart() {}**

**void product(int b)**

**{**

**system("CLS");**

**ofstream invoice("invoice.txt");**

**invoice << "\n-------------------------------------------------------\n";**

**invoice << "Your Products are given: ";**

**cout << "Your Product are given below: \n";**

**for (int i = 0; i < b; i++)**

**{**

**int a = c[i].id;**

**string n = c[i].Name;**

**int p = c[i].Price;**

**int q = c[i].quantity;**

**cout << "\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n";**

**cout << "ID: " << a << "\n"**

**<< "Name: " << n << "\n"**

**<< "Price: " << p << endl;**

**cout << "\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n";**

**invoice << "\nID\tName\tQuantity\tPrice";**

**invoice << "\n" << a << "\t" << n << "\t" << q << "\t" << p;**

**}**

**int bb = 150;**

**for (int i = 1; i < b; i++)**

**{**

**c[0] + c[i];**

**}**

**cout << "\n\t\tTotal charges: " << c->Total;**

**invoice << "\n\nTotal charges : " << c->Total;**

**cout << "\nDelivery Charges are: Rs.150";**

**cout << "\nTotal bill " << c->Total + bb << endl;**

**invoice << "\n\Total bill " << c->Total + bb;**

**string p;**

**cout << "\n\nPress ok to go to PAYMENT: ";**

**cin >> p;**

**Payment();**

**delivery\_bike();**

**exit(0);**

**}**

**void Payment()**

**{**

**system("CLS");**

**ofstream invoice("invoice.txt", ios::app);**

**cout << "Enter your delivering address: ";**

**cin.ignore();**

**getline(cin, address);**

**cout << "\nSelect Payment Method:\n1.Cash on Delivery\n2.Credit Card\n";**

**cin >> pay;**

**if (pay == 1)**

**{**

**invoice << "\nCash on Delivery";**

**}**

**else if (pay == 2)**

**{**

**cout << "Enter Your Credit Card ID: ";**

**cin >> cr\_ID;**

**invoice << "\nCredit Card";**

**}**

**cout << "\n\nPress ok to confirm your order ";**

**cin >> confirm;**

**system("CLS");**

**cout << "\n\tYour Order is confirmed successfully\n\n";**

**srand(time(0));**

**int random = rand();**

**cout << "\tYour Order ID is: " << random << endl;**

**invoice << "\nOrder ID" << random;**

**invoice << "\n-------------------------------------------------------\n";**

**invoice.close();**

**int p;**

**Sleep(7000);**

**}**

**void delivery\_bike()**

**{**

**RenderWindow window(VideoMode(VideoMode::getDesktopMode()), "Graphics", Style::Close);**

**Event e;**

**RectangleShape BackGround(Vector2f(window.getSize()));**

**BackGround.setFillColor(Color::White);**

**RectangleShape Re(Vector2f(300, 250));**

**Texture t;**

**t.loadFromFile("del.jpg");**

**Re.setPosition(0, 400);**

**Re.setTexture(&t);**

**while (window.isOpen())**

**{**

**while (window.pollEvent(e))**

**{**

**switch (e.type)**

**{**

**case Event::Closed:**

**window.close();**

**}**

**}**

**Re.move(Vector2f(0.5f, 0.0f));**

**window.clear();**

**window.draw(BackGround);**

**window.draw(Re);**

**window.display();**

**}**

**}**

**};**

**class seller\_central**

**{**

**string product, des, catagory;**

**int stock, price, ID, buy, a = 0;**

**static int aa;**

**public:**

**seller\_central() {}**

**void seller(string a)**

**{**

**string brandName = a + ".txt";**

**string sto = a + " Stock" + ".txt";**

**ofstream brand(brandName, ios::app);**

**/\*ofstream brand(br\_name,ios::app);\*/**

**st:**

**cout << "In which catagory you want to sell your Product\n\* Sports and Outdoor\n\* Grocery\n\* Electronic Devices\n\* Exit\n\n";**

**cin.ignore();**

**getline(cin, catagory);**

**if (catagory == "Sports and Outdoor")**

**{**

**catagory = "Sports and Outdoor";**

**cout << "\t\t\t\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n";**

**cout << "\t\t\t\t\t| Sports and Outdoot |\n";**

**cout << "\t\t\t\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n\n\n";**

**cout << setw(10) << setfill(' ') << " " << " |-|" << " ||-||-||" << " " << " ####" << " " << "\\\\" << " \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n";**

**cout << setw(10) << setfill(' ') << " " << " | |" << " || || ||" << " " << "######" << " " << "\\\\" << " |()-----------()----------()|\n";**

**cout << setw(10) << setfill(' ') << " " << "/ \\" << " || || ||" << " " << "######" << " " << "\\\\" << " | o |\n";**

**cout << setw(10) << setfill(' ') << " " << "| |" << " || || ||" << " " << " ####" << " " << "\\\\" << " | o o |\n";**

**cout << setw(10) << setfill(' ') << " " << "| |" << " || || ||" << " " << " ||" << " " << "\\\\" << " O O O" << " | o o o o |\n";**

**cout << setw(10) << setfill(' ') << " " << "|BAT|" << " || || ||" << " " << " ||" << " " << "\\\\" << " O O" << " | o o |\n";**

**cout << setw(10) << setfill(' ') << " " << "| |" << " || || ||" << " " << " ||" << " \_\_\_" << " \\\\" << " O O" << " | o |\n";**

**cout << setw(10) << setfill(' ') << " " << "| |" << " || || ||" << " " << " ||" << " \\ /" << " \\\_\_\_\_\_\_" << " O O" << " |()-----------()----------()|\n";**

**cout << setw(10) << setfill(' ') << " " << "|\_\_\_|" << " || || ||" << " " << " ||" << " O" << " \\\_\_\_\_\_|" << " O O O" << " |\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\n";**

**cout << "\n" << setw(130) << setfill('\_') << "\_" << "\n\n";**

**cout << "Enter Your Product Id: ";**

**cin >> ID;**

**cout << "\nEnter your product title: ";**

**cin.ignore();**

**getline(cin, product);**

**cout << "\nEnter the price of the product: ";**

**cin >> price;**

**cout << "\nHow much stock is available for this product: ";**

**cin >> stock;**

**cout << "\nWrite Discription of your Project: ";**

**cin.ignore();**

**getline(cin, des);**

**ofstream stoc(sto, ios::app);**

**ofstream cart("cart.txt", ios::app);**

**cart << ID << " " << product << " " << price << endl;**

**cart.close();**

**brand << "\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*";**

**brand << "\nEnter Product Id" << ID;**

**stoc << ID << " ";**

**brand << "\nCatagory: " << catagory;**

**brand << "\nProduct Title: " << product;**

**stoc << product << " ";**

**brand << "\nPrice: " << price;**

**stoc << price << " ";**

**stoc << stock << endl;**

**brand << "\nDiscription: " << des;**

**brand << "\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*";**

**goto st;**

**stoc.close();**

**cart.close();**

**}**

**else if (catagory == "Grocery")**

**{**

**catagory = "Grocery";**

**cout << "\t\t\t\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n";**

**cout << "\t\t\t\t\t| Grocery |\n";**

**cout << "\t\t\t\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n\n\n";**

**cout << setw(10) << setfill(' ') << " " << " \_" << " \_\_" << "\t\t\t\t\t\t\t \_\n";**

**cout << setw(10) << setfill(' ') << " " << " |-|" << " | |" << " \_\_\_\_\_\_\_" << " \_\_\_\_" << " \_| |\_\n";**

**cout << setw(10) << setfill(' ') << " " << " | |" << " \_\_\_| |\_\_\_ " << " |\_\_\_\_\_|" << " /\_\_\_\_\\" << " \_\_\_\_\_\_" << " | |\n";**

**cout << setw(10) << setfill(' ') << " " << "/ \\" << " \_\_\_\_\_\_\_" << " | | " << " / \\" << " | |" << " |\_\_\_\_\_\_\\" << " | |\n";**

**cout << setw(10) << setfill(' ') << " " << "| |" << " |\_\_\_\_\_|" << " | |" << " | |" << " | |" << " | |" << " |Juice|\n";**

**cout << setw(10) << setfill(' ') << " " << "|Oil|" << " | |" << " |Hersheys|" << " | Nutella |" << " | Milk |" << " |Ketchup|" << " | |\n";**

**cout << setw(10) << setfill(' ') << " " << "| |" << " | Jam |" << " | |" << " | |" << " | |" << " | |" << " | |\n";**

**cout << setw(10) << setfill(' ') << " " << "|\_\_\_|" << " |\_\_\_\_\_|" << " (\_\_\_\_\_\_\_\_)" << " |\_\_\_\_\_\_\_\_\_|" << " |\_\_\_\_\_\_|" << " |\_\_\_\_\_\_\_|" << " \\\_\_\_/\n";**

**cout << "\n" << setw(130) << setfill('\_') << "\_" << "\n\n";**

**cout << "Enter Your Product Id: ";**

**cin >> ID;**

**cout << "\nEnter your product title: ";**

**cin.ignore();**

**getline(cin, product);**

**cout << "\nEnter the price of the product: ";**

**cin >> price;**

**cout << "\nHow much stock is available for this product: ";**

**cin >> stock;**

**cout << "\nWrite Discription of your Project: ";**

**cin.ignore();**

**getline(cin, des);**

**ofstream stoc(sto, ios::app);**

**ofstream cart("cart.txt", ios::app);**

**cart << ID << " " << product << " " << price << endl;**

**cart.close();**

**brand << "\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*";**

**brand << "\nEnter Product Id" << ID;**

**stoc << ID << " ";**

**brand << "\nCatagory: " << catagory;**

**brand << "\nProduct Title: " << product;**

**stoc << product << " ";**

**brand << "\nPrice: " << price;**

**stoc << price << " ";**

**stoc << stock << endl;**

**brand << "\nDiscription: " << des;**

**brand << "\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*";**

**goto st;**

**stoc.close();**

**cart.close();**

**}**

**else if (catagory == "Electronic Devices")**

**{**

**catagory = "Electronic Devices";**

**cout << "\t\t\t\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n";**

**cout << "\t\t\t\t\t| Electronic Devices |\n";**

**cout << "\t\t\t\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n\n\n";**

**cout << setw(8) << setfill(' ') << " " << " \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_" << " \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_" << " \_\_\_\_\_\_\n";**

**cout << setw(8) << setfill(' ') << " " << "| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |" << " / \\" << " |\_\_\_\_\_\_|\n";**

**cout << setw(8) << setfill(' ') << " " << "|| ||" << " | Gree |" << " ||\n";**

**cout << setw(8) << setfill(' ') << " " << "|| ||" << " |\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|" << " ||\n";**

**cout << setw(8) << setfill(' ') << " " << "|| ||" << " \_\_\_" << " |\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|" << " || \_\_\_\_\_\_\_\_\_\_\_\n";**

**cout << setw(8) << setfill(' ') << " " << "|| ||" << " |\* |" << " \_\_\_\_\_\_\_\_\_" << " ||\_\_\_\_| \\" << " \_\_\_\_\_\_\_\_\n";**

**cout << setw(8) << setfill(' ') << " " << "|| ||" << " |\* |" << " | ^ \_ |" << " |\_\_\_\_\_ Vaccum \\" << " | |\n";**

**cout << setw(8) << setfill(' ') << " " << "||\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_||" << " | |" << " | O |\_| |" << " | Cleaner /" << " |\_ \_|\n";**

**cout << setw(8) << setfill(' ') << " " << "|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|" << " |\_\_\_|" << " |\_\_\_\_\_\_\_\_\_|" << " |\_\_\_\_\_\_\_\_\_\_\_/" << " |\_| |\_|\n";**

**cout << setw(8) << setfill(' ') << " " << " |\_\_\_\_\_\_\_\_|" << "\t\t\t\t\t\t\t\t\t O O\n";**

**cout << "\n" << setw(130) << setfill('\_') << "\_" << "\n\n";**

**cout << "Enter Your Product Id: ";**

**cin >> ID;**

**cout << "\nEnter your product title: ";**

**cin.ignore();**

**getline(cin, product);**

**cout << "\nEnter the price of the product: ";**

**cin >> price;**

**cout << "\nHow much stock is available for this product: ";**

**cin >> stock;**

**cout << "\nWrite Discription of your Project: ";**

**cin.ignore();**

**getline(cin, des);**

**ofstream stoc(sto, ios::app);**

**ofstream cart("cart.txt", ios::app);**

**cart << ID << " " << product << " " << price << endl;**

**cart.close();**

**brand << "\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*";**

**brand << "\nEnter Product Id" << ID;**

**stoc << ID << " ";**

**brand << "\nCatagory: " << catagory;**

**brand << "\nProduct Title: " << product;**

**stoc << product << " ";**

**brand << "\nPrice: " << price;**

**stoc << price << " ";**

**stoc << stock << endl;**

**brand << "\nDiscription: " << des;**

**brand << "\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*";**

**goto st;**

**stoc.close();**

**cart.close();**

**}**

**else if (catagory == "Exit")**

**{**

**system("CLS");**

**}**

**brand.close();**

**}**

**void Search(string a)**

**{**

**st:**

**bool b = false;**

**ifstream brand("cart.txt", ios::app);**

**string name;**

**cout << "Enter product name\n";**

**cin >> name;**

**int aId, bprice, cquantity;**

**string dname;**

**while (!brand.eof())**

**{**

**brand >> ID;**

**brand >> product;**

**brand >> price;**

**if (product == name)**

**{**

**system("CLS");**

**c[aa].id = ID;**

**c[aa].Name = product;**

**c[aa].Price = price;**

**cout << "\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n";**

**cout << "ID: " << c[aa].id << "\n";**

**cout << "Name: " << c[aa].Name << "\n";**

**cout << "Price: " << c[aa].Price << "\n";**

**cout << "\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_";**

**}**

**}**

**brand.close();**

**again:;**

**cout << "\n\n\nEnter the quantity :";**

**cin >> c[aa].quantity;**

**int cc = c[aa].quantity;**

**c[aa].Total = c[aa].Price \* c[aa].quantity;**

**aa = aa + 1;**

**int check = 0;**

**int subs = 0;**

**ofstream tfile("temp.txt", ios::app);**

**ifstream stoc(a);**

**if (!stoc.is\_open())**

**{**

**cout << "error";**

**}**

**while (!stoc.eof())**

**{**

**while (stoc >> aId >> dname >> bprice >> cquantity)**

**{**

**if (product == dname)**

**{**

**if (cc <= cquantity)**

**{**

**int sub = cquantity - cc;**

**check = 1;**

**tfile << aId << " " << dname << " " << bprice << " " << sub << endl;**

**}**

**else**

**{**

**cout << "Out of stock!!!\nEnter the correct quantity: ";**

**goto again;**

**}**

**}**

**else**

**{**

**tfile << aId << " " << dname << " " << bprice << " " << cquantity << endl;**

**}**

**}**

**}**

**tfile.close();**

**stoc.close();**

**remove(a.c\_str());**

**rename("temp.txt", a.c\_str());**

**cout << "Press 1 to add more products\nPress 2 to go to your purchase\n";**

**cin >> buy;**

**if (buy == 1)**

**{**

**return;**

**}**

**else if (buy == 2)**

**{**

**purchase();**

**}**

**b = true;**

**return;**

**}**

**void purchase()**

**{**

**cout << "ID" << "\t" << "NAME" << "\t" << "PRICE" << "\t" << "QUANTITY" << "\t" << "Total price\n";**

**for (int i = 0; i < aa; i++)**

**{**

**cout << c[i].id << "\t" << c[i].Name << "\t" << c[i].Price << "\t" << c[i].quantity << "\t\t" << c[i].Total << endl;**

**a = a + c[i].Total;**

**}**

**cout << "Total Price: " << a;**

**string C;**

**int k, i;**

**cout << "\n\n\nPress ok to go on Check Out\n";**

**cin >> C;**

**Cart c;**

**c.product(aa);**

**}**

**void deletePR(string a)**

**{**

**string aa = a + ".txt";**

**bool b = false;**

**string name;**

**cout << "enter name :";**

**cin >> name;**

**ofstream tempfile("temp.txt");**

**ifstream read(aa);**

**while (read >> ID >> product >> price)**

**{**

**if (product == name)**

**{**

**b = true;**

**}**

**if (product != name)**

**{**

**tempfile << ID << "\t\t" << product << "\t\t" << price << endl;**

**}**

**}**

**read.close();**

**tempfile.close();**

**remove(aa.c\_str());**

**rename("temp.txt", aa.c\_str());**

**if (b == true)**

**{**

**cout << "\nProduct deleted :\n";**

**}**

**else**

**{**

**cout << "\nNot Found";**

**}**

**}**

**};**

**//void quantity()**

**//{**

**//**

**//}**

**int seller\_central::aa = 0;**

**class Buyer : public seller\_central**

**{**

**string Brand;**

**int buy;**

**public:**

**Buyer()**

**{**

**system("cls");**

**mm:**

**cout << "\t\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n";**

**cout << "\t\t\t|\t BRANDS\t|";**

**cout << "\n\t\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n";**

**ifstream Brand\_Names("Brand\_Names.txt", ios::in);**

**string read;**

**while (!Brand\_Names.eof())**

**{**

**getline(Brand\_Names, read);**

**cout << read << endl;**

**}**

**Brand\_Names.close();**

**cout << "\n\nChoose Brand Name: ";**

**cin.ignore();**

**getline(cin, Brand);**

**string r, bb = Brand + ".txt";**

**ifstream brand;**

**brand.open(bb);**

**if (!brand.is\_open())**

**{**

**cout << "Incorrect brand ";**

**Sleep(1000);**

**Buyer();**

**}**

**while (!brand.eof())**

**{**

**getline(brand, r);**

**cout << r << endl;**

**}**

**brand.close();**

**string fileName = Brand + " Stock.txt";**

**Search(fileName);**

**goto mm;**

**system("CLS");**

**}**

**};**

**class Account :public seller\_central**

**{**

**string name, gender, CNIC, Address, phone\_no, passoward, email, re\_pass, submit, nu, np, br\_name, br;**

**int age;**

**public:**

**Account() {}**

**void userLogin()**

**{**

**int count = 0;**

**m:**

**cout << "Enter Your Email Address: ";**

**cin >> email;**

**cout << "\nEnter Your Passoward: ";**

**cin >> passoward;**

**ifstream us("us\_acc.txt");**

**while (us >> nu >> np)**

**{**

**if (nu == email && np == passoward)**

**{**

**count = 1;**

**system("cls");**

**}**

**}**

**us.close();**

**if (count == 1)**

**{**

**cout << "\t\t\n\nLogin Successful!!\t\t\n\n\n" << endl;**

**Sleep(1000);**

**}**

**else**

**goto m;**

**}**

**void userSignIN()**

**{**

**ofstream user("user\_account.txt", ios::out | ios::app);**

**ofstream us("us\_acc.txt", ios::app);**

**cout << "\nEnter your full Name: ";**

**cin.ignore();**

**getline(cin, name);**

**user << "\nName: " << name;**

**cout << "Enter your Email address: ";**

**cin >> email;**

**user << "\nEmail: " << email;**

**us << email << " ";**

**cout << "Enter your passoward: ";**

**cin >> passoward;**

**cout << "Re-Enter your passoward: ";**

**cin >> re\_pass;**

**if (passoward == re\_pass)**

**{**

**user << "\nPassoward: ";**

**user << passoward;**

**us << passoward;**

**}**

**else**

**{**

**while (passoward != re\_pass)**

**{**

**cout << "\n\t|" << "Your passoward did not match" << "|\n";**

**cout << "Again Enter your passoward";**

**cin >> passoward;**

**user << "\nPassoward: ";**

**user << passoward;**

**us << passoward;**

**cout << "Re-Enter your passoward: ";**

**cin >> re\_pass;**

**}**

**}**

**us.close();**

**user.close();**

**}**

**void Login()**

**{**

**start:**

**cout << "Enter Your Email Address: ";**

**cin >> email;**

**cout << "\nEnter Your Passoward: ";**

**cin >> passoward;**

**cout << "\nPlease Enter Your Brand Name: ";**

**cin.ignore();**

**getline(cin, br\_name);**

**int count = 0;**

**ifstream accout("Account.txt", ios::in);**

**while (accout >> nu >> np >> br)**

**{**

**if (nu == email && np == passoward && br == br\_name)**

**{**

**count = 1;**

**system("cls");**

**}**

**}**

**accout.close();**

**if (count == 1)**

**{**

**cout << "\t\t\n\nLogin Successful!!\t\t\n\n\n" << endl;**

**Sleep(2000);**

**system("cls");**

**string r, aa = br\_name + ".txt";**

**ifstream brand;**

**brand.open(aa);**

**while (!brand.eof())**

**{**

**getline(brand, r);**

**cout << r << endl;**

**}**

**brand.close();**

**int a;**

**cout << "\n\nPress 1 to Add any product:\nPress 2 to delete\nPress 3 to exit ";**

**cin >> a;**

**if (a == 1)**

**{**

**seller(br\_name);**

**}**

**else if (a == 2)**

**{**

**deletePR(br\_name);**

**}**

**else if (a == 3)**

**{**

**system("CLS");**

**}**

**}**

**else**

**{**

**cout << "\t\t\t\n\nWrong Input !!!\t\t\t" << endl;**

**Sleep(1000);**

**goto start;**

**}**

**}**

**void signup()**

**{**

**ofstream ofile("seller\_account.txt", ios::out | ios::app);**

**ofstream account("Account.txt", ios::out | ios::app);**

**cin.ignore();**

**ofile << "\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n";**

**cout << "\nEnter your full Name: ";**

**getline(cin, name);**

**ofile << "Name: " << name;**

**cout << "Enter your Email address: ";**

**cin >> email;**

**ofile << "\nEmail: " << email;**

**account << email << " ";**

**cout << "Enter your passoward: ";**

**cin >> passoward;**

**cout << "Re-Enter your passoward: ";**

**cin >> re\_pass;**

**if (passoward == re\_pass)**

**{**

**ofile << "\nPassoward: ";**

**ofile << passoward;**

**account << passoward;**

**}**

**else**

**{**

**while (passoward != re\_pass)**

**{**

**cout << "\n\t|" << "Your passoward did not match" << "|\n";**

**cout << "Again Enter your passoward";**

**cin >> passoward;**

**ofile << "\nPassoward: ";**

**ofile << passoward;**

**account << passoward;**

**cout << "Re-Enter your passoward: ";**

**cin >> re\_pass;**

**}**

**}**

**s:**

**cout << "Enter your age: ";**

**cin >> age;**

**if (age > 18)**

**{**

**ofile << "\nAge: " << age;**

**}**

**else**

**{**

**cout << "Age Must be Greater than 18\n";**

**goto s;**

**}**

**cout << "What is your gender: ";**

**cin >> gender;**

**ofile << "\nGender: " << gender;**

**cout << "Enter your original CNIC: ";**

**cin >> CNIC;**

**ofile << "\nCNIC: " << CNIC;**

**cout << "Enter Your Phone Number: ";**

**cin >> phone\_no;**

**ofile << "\nPhone Number: " << phone\_no;**

**ofile << "\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n\n\n\n";**

**ofile.close();**

**cout << "What is your Brand Name: ";**

**cin.ignore();**

**getline(cin, br\_name);**

**account << " " << br\_name << endl;**

**account.close();**

**cout << "\n\nCreating your Daraz Seller Account........";**

**Sleep(4000);**

**system("cls");**

**cout << "\n\n\n\t\tYou are now successfully registered on Daraz Seller Central";**

**cout << "\n\n\nWrite ok to continue ";**

**cin >> submit;**

**system("cls");**

**ofstream Brand\_Names;**

**Brand\_Names.open("Brand\_Names.txt", ios::app);**

**Brand\_Names << br\_name << endl;**

**Brand\_Names.close();**

**seller(br\_name);**

**}**

**};**

**int main()**

**{**

**RenderWindow window(VideoMode(VideoMode::getDesktopMode()), "Graphics", Style::Close);**

**Event e;**

**RectangleShape BackGround(Vector2f(window.getSize()));**

**BackGround.setFillColor(Color::White);**

**RectangleShape R(Vector2f(1000, 500));**

**Texture T;**

**T.loadFromFile("darazlogo.png");**

**R.setPosition(180, 100);**

**R.setTexture(&T);**

**while (window.isOpen())**

**{**

**while (window.pollEvent(e))**

**{**

**switch (e.type)**

**{**

**case Event::Closed:**

**window.close();**

**}**

**}**

**window.clear();**

**window.draw(BackGround);**

**window.draw(R);**

**window.display();**

**}**

**int select, account;**

**Account a;**

**j:**

**system("CLS");**

**cout << "\n\n\n\n\n\n";**

**cout << setw(20) << setfill(' ') << " " << "O O O O OOOOOOOO OOOOOOOO OOOOOOOOO OOOOOOOOO\n";**

**cout << setw(20) << setfill(' ') << " " << "O O O O O O O O O\n";**

**cout << setw(20) << setfill(' ') << " " << "O O O O O O O O O\n";**

**cout << setw(20) << setfill(' ') << " " << "O O O O O O O O O\n";**

**cout << setw(20) << setfill(' ') << " " << "O O OOOOOOOOOO OOOOOOO OOOOOOOOO O\n";**

**cout << setw(20) << setfill(' ') << " " << "O O O O O O O O O\n";**

**cout << setw(20) << setfill(' ') << " " << "O O O O O O O O O\n";**

**cout << setw(20) << setfill(' ') << " " << "O O O O O O O O O\n";**

**cout << setw(20) << setfill(' ') << " " << "O O O O O O O O O O OOOOOOOOO\n";**

**cout << "\n\n\n\n\n\n";**

**cout << "\t\t\t Choose from the following\n\n\n";**

**cout << "\t\t " << setw(15) << setfill('\*') << "\*" << "\t\t " << setw(21) << setfill('\*') << "\*";**

**cout << "\n\t\t" << "|" << "1. Buy Products" << "|" << "\t\t" << "|" << "2. Sell Your Products" << "|";**

**cout << "\n\t\t " << setw(15) << setfill('\*') << "\*" << "\t\t " << setw(21) << setfill('\*') << "\*";**

**cout << "\n\n";**

**cin >> select;**

**if (select == 1)**

**{**

**system("cls");**

**cout << "\n1. Alredy have an accout\n2. Did not have an accout\n3. Guest\n4. Exit\n";**

**cin >> account;**

**if (account == 1)**

**{**

**a.userLogin();**

**Buyer b;**

**}**

**else if (account == 2)**

**{**

**a.userSignIN();**

**Buyer b;**

**}**

**else if (account == 3)**

**{**

**Buyer b;**

**}**

**else if (account == 4)**

**{**

**goto j;**

**}**

**}**

**else if (select == 2)**

**{**

**system("cls");**

**cout << "\t\tYour are now in the Seller Central of Daraz";**

**cout << "\n1. Alredy have an accout\n2. Did not have an accout\n3. Exit\n";**

**cin >> account;**

**if (account == 1)**

**{**

**a.Login();**

**}**

**else if (account == 2)**

**{**

**a.signup();**

**}**

**else if (account == 3)**

**{**

**goto j;**

**}**

**}**

**}**