



```
a,c){this.B[a]=c};_k.Sf=function(a){return this.B[a].getId()}];_k.wh=function(){return!lip());}_k.kf=function(){ip(this)&&ip(this).Wd()};_k.ti=function(a){this.o[a]&&nis).getId()==a||this.o[a].bd(l0));}_k.Vd=function(a){this.o[a.getId()]=a};var jp=function(){jp.prototype.w=function(a,c){this.o.push({j:c,a,options:c})};it=function(a,c,d){window.gapi={};var e=window._jsl={};e.h=_J(_F(a,1));e.ms=_J(_F(a,2));his.b.push(e);_F(d,1)&&(d=_F(d,2))&&this.b.push(d);_x("gapi.load",({b,_v)(this,w,this));re(a).A.call(this);this.C=a;this.w=this.b=null;this.D=0;this.B=window.navigator.PASSWORD("*****");0<a.indexOf("MSIE")&&0<a.indexOf("Trident")&&(a=/\b(?:M)0&a[1]&&0<window.parseFloat(a[1])&&(this.o=l0));_z(kp,_A);(a,c,d){if(!a)o;if(d instanceof Array)for(var e in d)lp(a,c,d[e]);else{e=0,_v)(a,F,a,c);var e=;_8&&c.addEventListener?c.addEventListener(d,e,1):_8&&c.attachEvent?c.attachEvent("on"+d,e):function(a,c){if(this.o)return null;if(c instanceof Array){var d=null,e;for(e in c){var f=this&&this.b.type==c&&this.w==a&&(d=this.b,this.b=null);if(e.a.getAttribute("data-eqid"))a.PASSWORD stener?a.removeEventListener(c,e,!1):a.detachEvent&&a.detachEvent("on"+c,e):this.C.log("Error(" function(a,c){this.b=c;this.w=a;c.preventDefault?c.preventDefault():c.returnValue=11};{function LDD:a=[];var c=_Ai();gp(window,_J(_F(c,8)));c=_Ec();var d=_W();a=new _to(c,_H(_L()),ep,xF("gbar.qm",({b,_v)(function(a){try(a)catch(g){d.log(g)}},this));_y("api").Ra());_T(_F(c,e,_U(c)))();cp(COPY.PASSWORD("*****"),"DOMContentLoaded"); cp(window,"load");_v(_oj,w,_oj,_ac));_x("gbar.mls",function(){});_Ma("eq",new kp(_W()));_Ma("gs",new jp,_jo,b)||new _jo);(function(){for(var a=function(a){return function(){_t1(44,{n:a})}},c=0;c[c];_x(d,a(d))var e=_Ja.U();_Ja(e,"api").Ra();fp(_Ja(e,"m"),function(){_Ja(e,"api").Ra()});ent.querySelector(".s+");c&&(c=_c.querySelector(".gb_b"))&&p(_y("eq"),{,"click"})););var ent.querySelector(".gb_B"),op=/^(\s+\S+)/;n&&op.test(op.className)&&p("gb_B");var
```

## **CP PROJECT REPORT**

### **OUTLET MANAGEMENT SYSTEM**

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## **INTRODUCTION:**

The project being promoted is a mechanism for managing outlets. This project was written in the C++ programming language, which is supported by both Dev C++ and Visual Studio. It is a straightforward, user-friendly program with a vibrant background for maximum appeal. Its capabilities include the use of C++ functions, overloading and structures as well as the ability to permanently store user data.

## **OBJECTIVE:**

- To develop an effective outlet management system.
- To force users to only select and enter valid credentials.
- To provide a more user-friendly method for managing internet outlets.
- To lessen foot traffic in physical stores
- To create a bill that includes information on the items you purchased, including their names, sizes, prices, and totals.
- To make things easier by improving staff-customer coordination.
- To create a user-friendly project that gets rid of the chaos associated with manual systems.

## **EXECUTIVE SUMMARY**

Our project is based on “Outlet Management System”. It is an interesting project, which will be designed on MS visual studio with language C++. It is basically a project based on the management of any clothing brand online which include pricing of products present in store, buying (clothing, shoes and all other accessories), filling of membership form (for discounts) and making payments. The major objective of the project is to make the customer and supplier contact swifter.

The principle of the project is to optimize one's time and make processing more structured. In this project, we have used many well-defined functions, proper structure and method of overloading is applied. It is a well-structured code and everyone can understand it as we also added comments for what we are doing here.

## **METHODOLOGY:**

Here, we will perform the layout using a variety of C++ commands. The project's objectives include developing relationships between customers and suppliers, streamlining workflow using computers and mobile devices, developing the store's social identity, and implementing contemporary marketing tactics. The project's goal is to order and store the daily product amount in an efficient period. This project's technique entails topic selection and identification, project planning, analysis, designing, and implementation. The choice of theme is the first stage. After some brainstorming, we made the decision to create an outlet management system. Choosing the features our program should have was the following stage. Following a thorough debate, we decided that our program should utilize an outlet's reservation system which will support both customer and employee side. This project is effective for both managing and shopping.

The creation of the project's source code was its most crucial component. We have to draw our mind-map first then do changes in it and then act upon it by implementing all the decided methods. After many changes we eventually created a successful code that is displaying the desired output after fixing numerous mistakes.

## **INPUT AND OUTPUT:**

- The first two options after main menu are Customer mode and Staff mode.

<b>CUSTOMER MODE</b>	<b>STAFF MODE</b>
<p>If we go for customer mode We have three more choices to buy item, fill feedback form and show about us.</p> <ul style="list-style-type: none"><li>• In buy an item we have women section, men section and kids section (in each section you have many choices before moving further then we will display price and you have to choose for your correct size)</li><li>• We also have feedback form for your honest reviews about our service. In which you have to enter your name, e-mail and then your evaluation.</li><li>• In about us we have displayed basic information about outlet that include e-mail, location and contact details.</li></ul>	<p>In Staff mode staff have to input their correct id and password. After entering of correct information, we will display following information display particular product information, display all products information and show feedbacks.</p> <ul style="list-style-type: none"><li>• In first option, we have to enter particular product name and then information related to it will display.</li><li>• In second option all products information will display.</li><li>• In third option, feedback forms filled by customers will display.</li></ul>

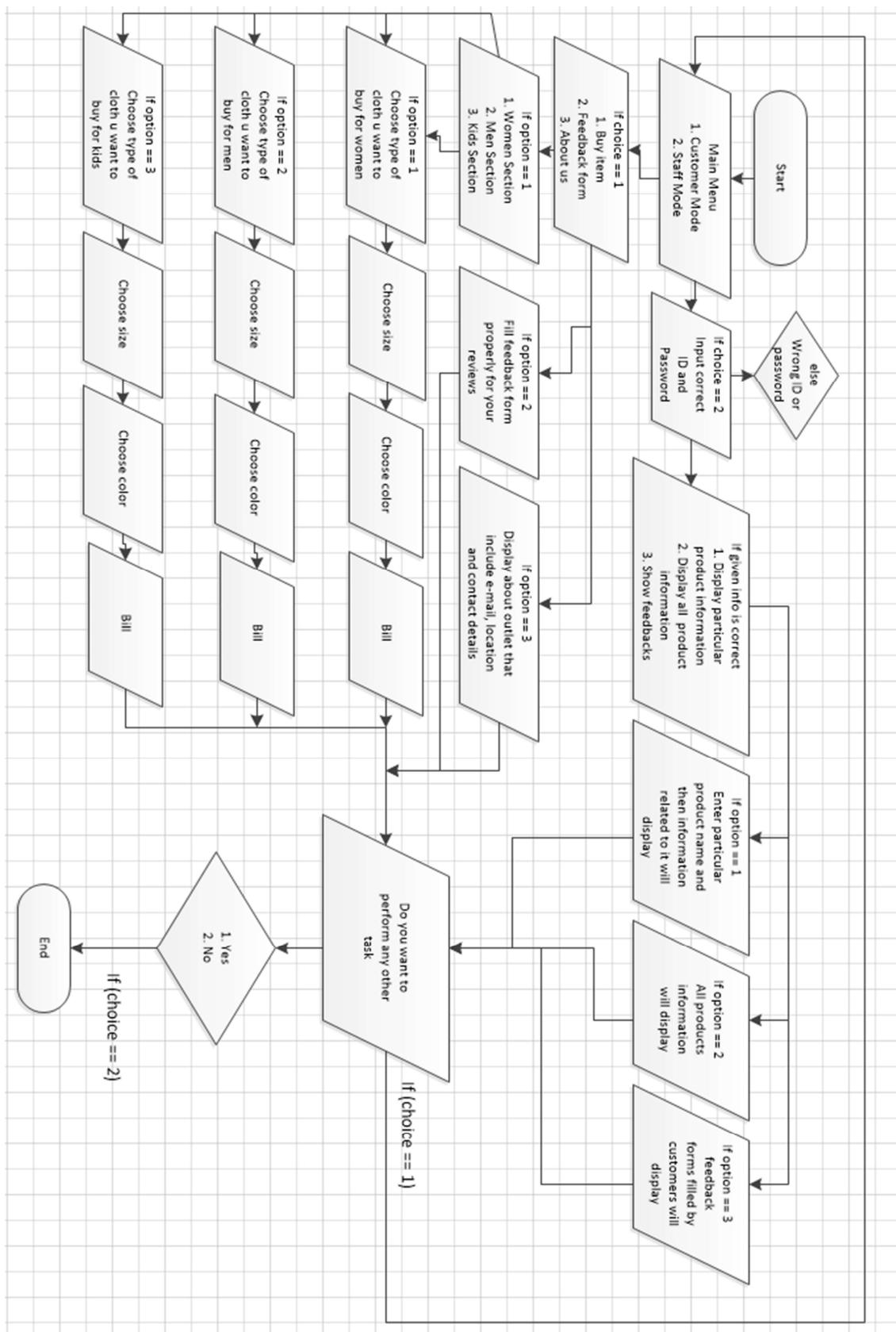
## **ALGORITHM:**

- ======  
    Welcome To ARMR Outlet  
=====
- 1. Enter Customer mode  
    2. Enter Staff mode
- **FOR Customer mode**
  - 1. Buy an item
  - 2. Fill feedback form
  - 3. Show about us
    - **FOR Buy an item**  
=====
    - Customer Mode  
=====
    - 1. Women Section
    - 2. Men Section
    - 3. Kids Section
    - In each section, there is further selection of cloth type with prices and sizes.
    - In Customer Mode we also have feedback form and about us.
- **FOR Staff mode**

Enter the Login ID and Enter the Password to move forward.  
=====

  - Staff Mode  
=====
  - 1. Display particular product information
  - 2. Display all products information
  - 3. Show feedbacks
  - The first option requires us to input the name of a specific product to display information about it.
  - The second option will show all product information all together.
  - The third option will display feedback forms that customers have completed.

## FLOWCHARTS



## SOURCE CODE

```
#include<iostream>
#include<string>
#include <fstream>
using namespace std;
//Used variables
//for customer mode
char mainChoice, choice1, sectionChoice, womenChoice, menChoice, kidChoice, loopChoice,
productChoice;

//for Staff mode
string loginID, loginPassword, productSearch;
ifstream productsIn; ofstream productsOut;
char staffChoice;

//structure of the order
struct order {
    string size;
    string itemName;
    int price = 0;
};
order obj[10]; int i = 0;
int feedbackCounter = 1;

void productDetails(string productName, int productPrice) {
    obj[i].itemName = productName;
    obj[i].price = productPrice;
    cout << "Price of " << productName << " is Rs " << productPrice << endl <<
        "Select size of " << productName << endl <<
        "* Press S for small" << endl <<
        "* Press M for medium" << endl <<
```

```

    "* Press L for large" << endl;

    cin >> productChoice;

    if (productChoice == 's' || productChoice == 'S') {

        obj[i].size = "small";

        cout << "Your purchase for " << productName << " in " << obj[i].size << " size
was successful : )" << endl;

        i = i + 1;

    }

    if (productChoice == 'm' || productChoice == 'M') {

        obj[i].size = "medium";

        cout << "Your purchase for " << productName << " in " << obj[i].size << " size
was successful : )" << endl;

        i = i + 1;

    }

    if (productChoice == 'l' || productChoice == 'L') {

        obj[i].size = "large";

        cout << "Your purchase for " << productName << " in " << obj[i].size << " size
was successful : )" << endl;

        i = i + 1;

    }

}

void productDetails(string productName, int productPrice, bool color) {

    //Overloading

    if (color == true) {

        obj[i].itemName = productName;

        obj[i].price = productPrice;

        cout << "Price of " << productName << " is Rs " << productPrice << endl <<

        "Select the color" << endl <<

        "* Press B for Blue" << endl <<

        "* Press O for Olive green" << endl <<

        "* Press W for White" << endl;

        cin >> productChoice;
    }
}
```

```

        if (productChoice == 'b' || productChoice == 'B') {
            obj[i].size = "Blue";
            cout << "Your purchase for " << productName << "in " << obj[i].size <<
            "colour was successful : )" << endl;
            i = i + 1;
        }

        if (productChoice == 'o' || productChoice == 'O') {
            obj[i].size = "Olive Green";
            cout << "Your purchase for " << productName << "in " << obj[i].size <<
            "colour was successful : )" << endl;
            i = i + 1;
        }

    }

    if (productChoice == 'w' || productChoice == 'W') {
        obj[i].size = "White";
        cout << "Your purchase for " << productName << "in " << obj[i].size <<
        "colour was successful : )" << endl;
        i = i + 1;
    }

}

void saveFeedback(string name, string email, string feedback, int counter) {
    ifstream feedbackIn("feedback.txt");
    ofstream feedbackOut("feedback.txt", ios::app);
    feedbackOut << "===== " << endl
    << "      Feedback : " << counter << endl
    << "===== "
    << endl << "Name: " << name << endl << "Email: " << email
    << endl << "Feedback: " << feedback << endl;
    feedbackIn.close();
    cout << "Thank you for your feedback!" << endl;
}

```

```

void womenSection() {
    //Women Section
    cout << "====="
    << "      Women Section" << endl
    << "====="
    cout << "1. Three piece suit" << endl <<
        "2. Two piece suit" << endl <<
        "3. One piece suit" << endl <<
        "4. Shoes " << endl <<
        "5. Jeans" << endl;
    cin >> womenChoice;

    if (womenChoice == '1') {
        //Three piece suit
        cout << "====="
        << "      Three Piece Suit" << endl
        << "====="
        productDetails("Three Piece Suit", 20000);
    }
    else if (womenChoice == '2') {
        //Two piece suit
        cout << "====="
        << "      Two Piece Suit" << endl
        << "====="
        productDetails("Two Piece Suit", 15000);
    }
    else if (womenChoice == '3') {
        //One piece suit
        cout << "====="
        << "      One Piece Suit" << endl
        << "====="
    }
}

```

```

productDetails("One Piece Suit", 10000);

}

else if (womenChoice == '4') {

//shoes

cout << "====="
<< "      Shoes" << endl
<< "====="
<< endl;

cout << "1. Nike Airmax 90 SE" << endl <<
"2. Nike AirForce 1" << endl <<
"3. Converse High" << endl <<
"4. Reebok Club-C Mid" << endl;

cin >> womenChoice;

if (womenChoice == '1') {

//Nike Airmax 90 SE

cout << "====="
<< endl

<< "      Nike Airmax 90 SE" << endl
<< "====="
<< endl;

productDetails("Nike Airmax 90 SE", 18000);

}

else if (womenChoice == '2') {

//Nike AirForce 1

cout << "====="
<< endl

<< "      Nike Airforce 1" << endl
<< "====="
<< endl;

productDetails("Nike AirFotce 1", 16000);

}

else if (womenChoice == '3') {

//Converse High

```

```

cout << "======" <<
endl
    << "        Converse High" << endl
    << "======" <<
endl;
productDetails("Converse High", 14000);
}

else if (womenChoice == '4') {
//Reebok Club-C Mid
cout << "======" <<
endl
    << "        Reebok Club-C Mid" << endl
    << "======" <<
endl;
productDetails("Reebok Club-C Mid", 18000);
}

}

else if (womenChoice == '5') {
//jeans
cout << "======" << endl
    << "        Jeans" << endl
    << "======" << endl;
cout << "1. Blue Jeans" << endl <<
    "2. Black Jeans" << endl <<
    "3. Brown Jeans" << endl;
cin >> womenChoice;
if (womenChoice == '1') {
//Blue Jeans
cout << "======" <<
endl
    << "        Blue Jeans" << endl
    << "======" <<
endl;
}

```

```

        productDetails("Blue Jeans", 7000);
    }

    else if (womenChoice == '2') {
        //Black Jeans
        cout << "====="
        endl
        << "      Black Jeans" << endl
        << "====="
        endl;

        productDetails("Black Jeans", 8500);
    }

    else if (womenChoice == '3') {
        //Black Jeans
        cout << "====="
        endl
        << "      Brown Jeans" << endl
        << "====="
        endl;

        productDetails("Brown Jeans", 5750);
    }

}

void menSection() {
    bool color = false;
    //Men section
    cout << "====="
    endl
    << "      Men Section" << endl
    << "====="
    endl;

    cout << "1. Three Piece Suit" << endl <<
    "2. Watches" << endl <<
    "3. Shirts" << endl <<
    "4. Shoes " << endl <<
}

```

```

    "5. Jeans" << endl;

cin >> menChoice;

if (menChoice == '1') {
    //Suit
    cout << "====="
        << "      Three Piece Suit" << endl
        << "====="
    productDetails("Three Piece Suit", 14500);

}

else if (menChoice == '2') {
    //Watch
    color = true;
    cout << "====="
        << "      Watches" << endl
        << "=====";
    cout << "1. Rolex Sky-Dweller" << endl <<
        "2. Casio Men's Classic" << endl <<
        "3. Lactose Men's 2010763" << endl <<
        "4. Omega Seamaster Aqua Terra" << endl;

    cin >> menChoice;
    if (menChoice == '1') {
        //Rolex Sky-Dweller
        cout << "====="
            << "      Rolex Sky-Dweller" << endl
            << "====="
    endl;
        << "      Rolex Sky-Dweller" << endl
        << "====="
    endl;
    productDetails("Rolex Sky-Dweller", 7000, color);
}

```

```

else if (menChoice == '2') {
    //Casio Men's Classic
    cout << "====="
    endl
    << "      Casio Men's Classic" << endl
    << "====="
    endl;
    productDetails("Casio Men's Classic", 5600, color);
}

else if (menChoice == '3') {
    //Lactose Men's 2010763
    cout << "====="
    endl
    << "      Lactose Men's 2010763" << endl
    << "====="
    endl;
    productDetails("Lactose Men's 2010763", 8200, color);
}

else if (menChoice == '4') {
    //Casio Men's Classic
    cout << "====="
    endl
    << "      Casio Men's Classic" << endl
    << "====="
    endl;
    productDetails("Omega Seamaster Aqua Terra", 15600, color);
}

else if (menChoice == '3') {
    //Shirts
    cout << "====="
    endl
    << "      Shirts" << endl
    << "====="
    endl;
}

```

```

cout << "1. T-shirt" << endl <<
    "2. Long Shirt" << endl <<
    "3. Formal Shirt" << endl <<
    "4. Denim Shirt" << endl <<
    "5. Casual Shirt" << endl;

cin >> menChoice;

if (menChoice == '1') {
    //T-shirt
    cout << "====="
    endl
        << "          T-Shirt" << endl
        << "====="
    endl;
    productDetails("T-Shirt", 950);
}

else if (menChoice == '2') {
    //Long Shirt
    cout << "====="
    endl
        << "          Long Shirt" << endl
        << "====="
    endl;
    productDetails("Long Shirt", 1150);
}

else if (menChoice == '3') {
    //Formal Shirt
    cout << "====="
    endl
        << "          Formal Shirt" << endl
        << "====="
    endl;
    productDetails("Formal Shirt", 1200);
}

```

```

else if (menChoice == '4') {
    //Denim Shirt
    cout << "====="
    endl
    << "          Denim Shirt" << endl
    << "====="
    endl;
    productDetails("Formal Shirt", 1150);
}

else if (menChoice == '5') {
    //Casual Shirt
    cout << "====="
    endl
    << "          Casual Shirt" << endl
    << "====="
    endl;
    productDetails("Casual Shirt", 500);
}

}

else if (menChoice == '4') {
    //Shoes
    cout << "====="
    << "          Shoes" << endl
    << "====="
    cout << "1. Nike Jordan 1 High" << endl <<
        "2. Nike Airmax 97" << endl <<
        "3. Converse Low" << endl <<
        "4. Adidas 4D" << endl <<
        "5. Reebok Leather shoes";

    cin >> menChoice;
    if (menChoice == '1') {
        //Nike Jordan 1 High

```

```

cout << "======" <<
endl
    << "      Nike Jordan 1 High" << endl
    << "======" <<
endl;

productDetails("Nike Jordan 1 High", 37000);
}

else if (menChoice == '2') {
    //Nike Airmax 97
    cout << "======" <<
endl
    << "      Nike Airmax 97" << endl
    << "======" <<
endl;

productDetails("Nike Airmax 97", 40000);
}

else if (menChoice == '3') {
    //Converse low
    cout << "======" <<
endl
    << "      Converse Low" << endl
    << "======" <<
endl;

productDetails("Converse Low", 19500);
}

else if (menChoice == '4') {
    //Adidas 4D
    cout << "======" <<
endl
    << "      Adidas 4D" << endl
    << "======" <<
endl;
}

```

```

        productDetails("Adidas 4D", 55000);
    }

    else if (menChoice == '5') {
        //Reebok Leather shoes
        cout << "====="
        endl
            << "      Reebok Leather Shoes" << endl
            << "====="
        endl;

        productDetails("Reebok Leather Shoes", 22000);
    }

}

else if (menChoice == '5') {
    //jeans
    cout << "====="
    endl
        << "      Jeans" << endl
        << "====="
    endl;

    cout << "1. Blue Jeans" << endl <<
        "2. Black Jeans" << endl <<
        "3. Brown Jeans" << endl <<
        "4. Denim Jeans" << endl <<
        "5. Grey Jeans" << endl;

    cin >> menChoice;
    if (menChoice == '1') {
        //Blue Jeans
        cout << "====="
        endl
            << "      Blue Jeans" << endl
            << "====="
        endl;

        productDetails("Blue jeans", 5500);
    }
}

```

```

else if (menChoice == '2') {
    //Black Jeans
    cout << "====="
    endl
    << "      Black Jeans" << endl
    << "====="
    endl;
    productDetails("Blue Jeans", 4000);
}

else if (menChoice == '3') {
    //Brown Jeans
    cout << "====="
    endl
    << "      Brown Jeans" << endl
    << "====="
    endl;
    productDetails("Brown Jeans", 6750);
}

else if (menChoice == '4') {
    //Denim Jeans
    cout << "====="
    endl
    << "      Denim Jeans" << endl
    << "====="
    endl;
    productDetails("Denim Jeans", 8250);
}

else if (menChoice == '5') {
    //Grey Jeans
    cout << "====="
    endl
    << "      Grey Jeans" << endl
}

```

```

        << "======" <<
endl;

productDetails("Grey Jeans", 3500);

}

}

}

void kidSection() {

//kids section

cout << "======" << endl

<< "      Kids Section" << endl

<< "======" << endl;

cout << "1. Shirts" << endl <<

"2. Watches" << endl <<

"3. Frocks" << endl <<

"4. Shoes " << endl;

cin >> kidChoice;

if (kidChoice == '1') {

//Shirt

cout << "======" << endl

<< "      Shirt" << endl

<< "======" << endl;

cout << "1. Blue Shirt" << endl <<

"2. Yellow Shirt" << endl <<

"3. Pink Shirt" << endl <<

"4. Green Shirt" << endl;

cin >> kidChoice;

if (kidChoice == '1') {

//blue shirt

cout << "======" <<

endl

```

```

        << "      Blue Shirt" << endl
        << "====="
endl;
productDetails("Blue Shirt", 400);
}

if (kidChoice == '2') {
    //yellow shirt
    cout << "====="
endl
        << "      Yellow Shirt" << endl
        << "====="
endl;
productDetails("Yellow Shirt", 500);
}

if (kidChoice == '3') {
    //pink shirt
    cout << "====="
endl
        << "      Pink Shirt" << endl
        << "====="
endl;
productDetails("Pink Shirt", 450);
}

if (kidChoice == '4') {
    //green shirt
    cout << "====="
endl
        << "      Green Shirt" << endl
        << "====="
endl;
productDetails("Green Shirt", 550);
}

}

```

```

else if (kidChoice == '2') {
    //watch

    cout << "====="
    << "      Watches" << endl
    << "====="
    cout << "1. Blue Watch" << endl <<
        "2. Yellow Watch" << endl <<
        "3. Pink Watch" << endl <<
        "4. Green Watch" << endl;

    cin >> kidChoice;

    if (kidChoice == '1') {
        //blue watch

        cout << "====="
        endl
        << "      Blue Watch" << endl
        << "====="
        endl;
        productDetails("Blue Watch", 1500);
    }

    if (kidChoice == '2') {
        //Yellow watch

        cout << "====="
        endl
        << "      Yellow Watch" << endl
        << "====="
        endl;
        productDetails("Yellow Watch", 2100);
    }

    if (kidChoice == '3') {
        //pink watch

        cout << "====="
        endl

```

```

        << "          Pink Watch" << endl
        << "=====      =====" <<
endl;

productDetails("Pink Shirt", 1500);

}

if (kidChoice == '4') {
    //green watch
    cout << "=====      =====" <<
endl
        << "          Green Watch" << endl
        << "=====      =====" <<
endl;
productDetails("Green Watch", 2500);

}

else if (kidChoice == '3') {
    //Frock
    cout << "=====      =====" << endl
        << "          Frocks" << endl
        << "=====      =====" << endl;
    cout << "1. Blue Frock" << endl <<
        "2. Yellow Frock" << endl <<
        "3. Pink Frock" << endl <<
        "4. Green Frock" << endl;

cin >> kidChoice;
if (kidChoice == '1') {
    //blue frock
    cout << "=====      =====" <<
endl
        << "          Blue Frock" << endl
        << "=====      =====" <<
endl;
}

```

```

        productDetails("Blue Frock", 600);
    }

    if (kidChoice == '2') {
        //yellow frock
        cout << "====="
        endl
        << "          Yellow Frock" << endl
        << "====="
        endl;

        productDetails("Yellow Frock", 600);
    }

    if (kidChoice == '3') {
        //pink frock
        cout << "====="
        endl
        << "          Pink Frock" << endl
        << "====="
        endl;

        productDetails("Pink Frock", 450);
    }

    if (kidChoice == '4') {
        //green frok
        cout << "====="
        endl
        << "          Green Frock" << endl
        << "====="
        endl;

        productDetails("Green Frock", 1000);
    }

}

else if (kidChoice == '4') {
    //Shoes
    cout << "====="
    endl
}

```

```

        << "          Shoes " << endl
        << "===== " << endl;

cout << "1. Blue Shoes" << endl <<
    "2. Yellow Shoes" << endl <<
    "3. Pink Shoes" << endl <<
    "4. Green Shoes" << endl;

cin >> kidChoice;

if (kidChoice == '1') {
    //blue shoes
    cout << "===== "
    endl
        << "          Blue Shoes" << endl
        << "===== "
    endl;

    productDetails("Blue Shoes", 1200);
}

if (kidChoice == '2') {
    //Yellow Shoes
    cout << "===== "
    endl
        << "          Yellow Shoes" << endl
        << "===== "
    endl;

    productDetails("Yellow Shoes", 1500);
}

if (kidChoice == '3') {
    //pink shoes
    cout << "===== "
    endl
        << "          Pink Shoes" << endl
        << "===== "
    endl;

    productDetails("Pink Shoes", 1450);
}

```

```

        }

        if (kidChoice == '4') {
            //green shoes
            cout << "====="
            endl
            << "          Green Shoes" << endl
            << "====="
            endl;
            productDetails("Green Shoes", 3000);

        }

    }

void productSearching() {
    cout << "====="
    << "      Search for a Product " << endl
    << "====="
    cout << "Enter the name of the product you want to search for" << endl;
    cin.ignore();
    getline(cin, productSearch);

    productsIn.open("products information.txt");
    string line, data;
    int lineNo = 0;
    bool foundProduct = false;

    //searching for a product by name
    while (getline(productsIn, line)) {
        if (line.find(productSearch) != string::npos) {
            cout << "Product found!" << endl;
            for (int j = 0; j < 2; j++) {

```

```

        getline(productsIn, data);
        cout << data << endl;
    }
    foundProduct = true;
}
lineNo++;
}

if (foundProduct == false) {
    cout << "Can't find the product you searched for :" << endl;
}
productsIn.close();
}

void showAllproducts() {
    productsIn.open("products information.txt");

    string line;
    while (getline(productsIn, line)) {
        cout << line << endl;
    }
    productsIn.close();
}

void showAllFeedbacks() {
    ifstream feedbackIn;
    ofstream feedbackOut;
    feedbackIn.open("feedback.txt");
    string line;
    while (getline(feedbackIn, line)) {
        cout << line << endl;
    }
    feedbackIn.close();
}

```

```

void bill() {
    int itemTotal = 0;
    //Printing bill on console

    cout << "----- Bill -----" << endl;
    for (int j = 0; j < i; j++) {
        cout << "Item : " << j + 1 << endl <<
            "Item name : " << obj[j].itemName << endl
            << "Item price : " << obj[j].price << endl
            << "Item size/ Color : " << obj[j].size << endl
            << "-----" << endl;
        itemTotal = itemTotal + obj[j].price;
    }
    cout << "Total amount : " << itemTotal << endl
        << "-----" << endl;

    // printing bill in file
    ofstream billFile;
    billFile.open("bill.txt");
    billFile << "----- Bill -----" << endl;
    for (int j = 0; j < i; j++) {
        billFile << "Item : " << j + 1 << endl <<
            "Item name : " << obj[j].itemName << endl
            << "Item price : " << obj[j].price << endl
            << "Item size : " << obj[j].size << endl
            << "-----" << endl;
        itemTotal = itemTotal + obj[j].price;
    }
    billFile << "Total amount : " << itemTotal << endl
        << "-----" << endl;
}

```

```

int main() {
    cout << endl << endl;
    cout <<
"=====
===== " << endl << endl << endl;

    cout <<"           WW   WW EEEEEEE LL   CCCCCC OOOOO MM   MM EEEEEEE - -
" << endl

    << "           WW   WW EE   LL   CC   OO   OO MMMM  MMMM EE   || |
" << endl

    << "           WW   WW EE   LL   CC   OO   OO MMMM  MMMM EE   || |
" << endl

    << "           WW WW WW EEEEEEE LL   CC   OO   OO MM MM MM EEEEEEE || |
" << endl

    << "           WW WW WW EE   LL   CC   OO   OO MM   MM EE   |_|
" << endl

    << "           WW WWWWW WW EE   LL   CC   OO   OO MM   MM EE   |_|
" << endl

    << "           W   W EEEEEEE LLLLLL CCCCCC OOOOO MM   MM EEEEEEE (_)
" << endl;

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

    cout <<"     A   RRRRRRRR   MM       MM RRRRRRRR           OOOOOO  UU   UU
TTTTTTTTTTT LL   EEEEEEEEEE TTTTTTTTTT " << endl

    << "     AAA   RR   RR   MMMMM   MMMMM RR   RR           OO   OO  UU   UU   TT   LL
EE   TT   " << endl

    << "     A   A   RR   RR   MM MM   MM MM RR   RR           OO   OO  UU   UU   TT   LL
EE   TT   " << endl

    << "     AAAAAAAA RRRRRRRR   MM MM MM   MM RRRRRRRR           OO   OO  UU   UU
TT   LL   EE   TT   " << endl

    << "     AA   AA RR   RR   MM   MMM   MM RR   RR           OO   OO  UU   UU   TT   LL
EEEEEEEEE TT   " << endl

    << "     AA   AA RR   RR   MM   MM   RR   RR           OO   OO  UU   UU   TT   LL
EE   TT   " << endl

    << "     AA   AA RR   RR   MM   MM   RR   RR           OO   OO  UU   UU   TT   LL
EE   TT   " << endl

```

```

    << " AA  AA RR      R MM      MM RR      R      OOOOOO  UUUUUUU      TT
LLLLLLLLL EEEEEEEE  TT   " << endl << endl << endl;

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

    cout <<
"=====
===== " << endl << endl << endl;      do {

        cout << "1. Customer mode" << endl <<
        "2. Staff mode" << endl;

        cin >> mainChoice;

        if (mainChoice == '1') {

            cout << "=====
===== " <<
endl

                << "          Customer Mode" << endl
                << "=====
===== " <<
endl;

            cout << "1. Buy an item" << endl <<
            "2. Feedback form" << endl <<
            "3. About us" << endl;

            cin >> choice1;

            if (choice1 == '1') {

                cout <<
"=====
===== " << endl

                    << "          Buy an Item" << endl
                    <<
"=====
===== " << endl;

                cout << "1. Women Section" << endl <<
                "2. Men Section" << endl <<
                "3. Kids Section" << endl;

                cin >> sectionChoice;

                if (sectionChoice == '1') {

```

```

        womenSection();

    }

else if (sectionChoice == '2') {

    menSection();

}

else if (sectionChoice == '3') {

    kidSection();

}

else {

    cout << "Invalid choice :(" << endl;

}

}

else if (choice1 == '2') {

    //Feedback form

    string name;
    string email;
    string feedback;
    cout <<
"======" << endl
    << "      Feedback Form" << endl
    <<
"======" << endl;
    cout << "Please provide your feedback below." << endl;
    cout << "Name: ";
    cin.ignore();
    getline(cin, name);

    cout << "Email: ";
    getline(cin, email);
}

```

```

cout << "Feedback: ";
getline(cin, feedback);
cout << endl;
cout << "===== Feedback Summary =====" << endl;
cout << "Name: " << name << endl;
cout << "Email: " << email << endl;
cout << "Feedback: " << feedback << endl;

// Save the feedback to a file
saveFeedback(name, email, feedback, feedbackCounter);
feedbackCounter += 1;
}

else if (choice1 == '3') {
    //about us
    cout <<
"======" << endl
        << "          About Us" << endl
        <<
"======" << endl;
    // Title and description
    cout << "We are a premier clothing outlet, offering a wide
range of fashionable and high-quality apparel for men, women, and children.\n\n";
    cout << "Our Mission:" << endl;
    cout << "At our clothing outlet, our mission is to provide our
customers with the latest trends, exceptional customer service, and affordable prices. We
strive to create a pleasant shopping experience and help individuals express their unique
style through our diverse selection of clothing.\n\n";
    cout << "Our Values:\n";
    cout << "- Fashion-forward: We stay ahead of the fashion
curve, constantly updating our inventory to offer the latest styles and trends.\n";
    cout << "- Quality: We believe in providing our customers with
high-quality garments that are designed to last.\n";
}

```

```

        cout << "- Customer satisfaction: Our customers are at the
heart of everything we do. We go the extra mile to ensure their satisfaction and exceed
their expectations.\n";

        cout << "- Diversity and inclusion: We embrace diversity and
strive to offer a wide range of clothing options that cater to different sizes, styles, and
cultural preferences.\n";

        cout << "- Fair pricing: We believe that fashion should be
accessible to all. We offer competitive prices without compromising on quality.\n\n";

        cout << "Thank you for choosing our clothing outlet. We look
forward to serving you and helping you find the perfect outfit!\n";

    }

}

else if (mainChoice == '2') {

    //Staff Mode

    cout << "Enter the Login ID" << endl;
    cin >> loginID;

    cout << "Enter the Password" << endl;
    cin >> loginPassword;

    if (loginID == "admin" && loginPassword == "admin123") {

        cout <<
"====="
        << "          Staff Mode" << endl
        <<
"====="
        cout << "1. Display particular product information" << endl
        << "2. Display all products information" << endl
        << "3. Show feedbacks" << endl;

        cin >> staffChoice;

        if (staffChoice == '1') {

            //search for a product
            productSearching();

        }

        else if (staffChoice == '2') {

```

```

        //all products
        showAllproducts();

    }

    else if (staffChoice == '3') {
        //feedbacks
        showAllFeedbacks();

    }

    else {
        cout << "Invalid choice" << endl;
    }

}

else if (loginID == "admin" && loginPassword != "admin123") {
    cout << "The password you entered is not correct!" << endl;
}

else if (loginID != "admin" && loginPassword == "admin123") {
    cout << "The login ID you entered is not correct" << endl;
}

else {
    cout << "You entered wrong credentials!" << endl;
}

}

cout << "Press 0 to return to the main menu or any other key to exit" << endl;
cin >> loopChoice;

if (loopChoice != '0') {
    bill();
}

} while (loopChoice == '0');

return 0;
}

```

## SCREEN SHOTS OF OUTPUT OF CONSOLE

### 1. Item buy for women

```
=====
WW WW EEEEEE LL CCCC OOOOO MM MM EEEEEE -
WW WW EE LL CC OO OO MM MM EE |
WW WW EE LL CC OO OO MM MM EE |
WW WW EE LL CC OO OO MM MM EE |
WW WW EE LL CC OO OO MM MM EE |
WW WW WW EE LL CC OO OO MM MM EE |
W W EEEEEE LLLLLL CCCCCC OOOO MM MM EEEEEE (-)

=====
A RRRRRR MM MM RRRRRR 000000 UU UU TTTTTTTT LL EEEEEE TTTTTT
AA RR RR MM MM MM MM RR RR 00 00 UU UU TT LL EE TT
A A RR RR MM MM MM MM RR RR 00 00 UU UU TT LL EE TT
AAAAAA RRRRRR MM MM MM MM RRRRRR 00 00 UU UU TT LL EE TT
AA AA RR RR MM MM MM RR RR 00 00 UU UU TT LL EEEEEE TT
AA AA RR RR MM MM RR RR 00 00 UU UU TT LL EE TT
AA AA RR RR MM RR RR 00 00 UU UU TT LL EE TT
AA AA RR R MM MM RR R 000000 UUUUUU TT LLLLLLL EEEEEE TT

=====
1. Customer mode
2. Staff mode
1
=====
Customer Mode
=====
1. Buy an item
2. Feedback form
3. About us
1
=====
Buy an Item
=====
1. Women Section
2. Men Section
3. Kids Section
1
=====
Women Section
=====
1. Three piece suit
2. Two piece suit
3. One piece suit
4. Shoes
5. Jeans
4
=====
Shoes
=====
1. Nike Airmax 90 SE
2. Nike AirForce 1
3. Converse High
4. Reebok Club-C Mid
3
=====
Converse High
=====
Price of Converse High is Rs 14000
Select size of Converse High
* Press S for small
* Press M for medium
* Press L for large
m
Your purchase for Converse High in medium size was successful : )
```

## 2. Item buy for men

```
Press 0 to return to the main menu or any other key to exit
0
1. Customer mode
2. Staff mode
1
=====
          Customer Mode
=====
1. Buy an item
2. Feedback form
3. About us
1
=====
          Buy an Item
=====
1. Women Section
2. Men Section
3. Kids Section
2
=====
          Men Section
=====
1. Three Piece Suit
2. Watches
3. Shirts
4. Shoes
5. Jeans
2
=====
          Watches
=====
1. Rolex Sky-Dweller
2. Casio Men's Classic
3. Lactose Men's 2010763
4. Omega Seamaster Aqua Terra
2
=====
          Casio Men's Classic
=====
Price of Casio Men's Classic is Rs 5600
Select the color
* Press B for Blue
* Press O for Olive green
* Press W for White
0
Your purchase for Casio Men's Classincin Olive Greencolour was successful : )
```

### 3. Item buy for item

```
Press 0 to return to the main menu or any other key to exit
0
1. Customer mode
2. Staff mode
1
=====
          Customer Mode
=====
1. Buy an item
2. Feedback form
3. About us
1
=====
          Buy an Item
=====
1. Women Section
2. Men Section
3. Kids Section
3
=====
          Kids Section
=====
1. Shirts
2. Watches
3. Frocks
4. Shoes
1
=====
          Shirt
=====
1. Blue Shirt
2. Yellow Shirt
3. Pink Shirt
4. Green Shirt
3
=====
          Pink Shirt
=====
Price of Pink Shirt is Rs 450
Select size of Pink Shirt
* Press S for small
* Press M for medium
* Press L for large
s
Your purchase for Pink Shirt in small size was successful : )
```

#### 4. Bill

```
Press 0 to return to the main menu or any other key to exit
b
----- Bill -----
Item : 1
Item name : Converse High
Item price : 14000
Item size/ Color : medium

----- Item : 2 -----
Item name : Casio Men's Classic
Item price : 5600
Item size/ Color : Olive Green

----- Item : 3 -----
Item name : Pink Shirt
Item price : 450
Item size/ Color : small

----- Total amount : 20050 -----
```

#### 5. Feedback 01

```
=====
W W W W EEEEEEE LL CCCCCC 00000 MM MM EEEEEEE
W W W W EE LL CC OO 00 MM MM MM EE
W W W W EE LL CC OO 00 MM MM MM EE
W W W W EEEEEEE LL CC OO 00 MM MM MM EEEE
W W W W EEEEEEE LL CC OO 00 MM MM MM EE
W W W W EE LL CC OO 00 MM MM MM EE
W W EEEEEEE LLLLLL CCCCCC 0000 MM MM EEEEEEE

=====
A RRRRRRRR MM MM RRRRRRR 00000 UU UU TTTTTTTT LL EEEEEEEE TTTTTTTT
AAA RR RR MM MM MM RR RR 00 00 UU UU TT LL EE TT
A A RR RR MM MM MM RR RR 00 00 UU UU TT LL EE TT
AAAAAA RRRRRRRR MM MM MM MM RRRRRRRR 00 00 UU UU TT LL EE TT
AA AA RR RR MM MM MM RR RR 00 00 UU UU TT LL EEEEEEEE TT
AA AA RR RR MM MM RR RR 00 00 UU UU TT LL EE TT
AA AA RR RR MM MM RR RR 00 00 UU UU TT LL EE TT
AA AA RR R MM MM RR RR 00000 UUUUUU TT LLLLLLLL EEEEEEEE TT

=====
Customer Mode
=====
1. Buy an item
2. Feedback form
3. About us
2
=====
Feedback Form
=====
Please provide your feedback below.
Name: Syed Muhammad Raza Ali
Email: asyedraza85632@gmail.com
Feedback: it is good and easy to use

===== Feedback Summary =====
Name: Syed Muhammad Raza Ali
Email: asyedraza85632@gmail.com
Feedback: it is good and easy to use
Thank you for your feedback!
```

## 6. Feedback 02

```
Press 0 to return to the main menu or any other key to exit
0
1. Customer mode
2. Staff mode
1
=====
          Customer Mode
=====
1. Buy an item
2. Feedback form
3. About us
2
=====
          Feedback Form
=====
Please provide your feedback below.
Name: Maha Siddiqui
Email: maha712@gmail.com
Feedback: it is beneficial for those who prefer online shopping

===== Feedback Summary =====
Name: Maha Siddiqui
Email: maha712@gmail.com
Feedback: it is beneficial for those who prefer online shopping
Thank you for your feedback!
```

## 7. Feedback 03

```
Press 0 to return to the main menu or any other key to exit
0
1. Customer mode
2. Staff mode
1
=====
          Customer Mode
=====
1. Buy an item
2. Feedback form
3. About us
2
=====
          Feedback Form
=====
Please provide your feedback below.
Name: Aliza Malik
Email: alizamalik47@gmail.com
Feedback: good naigations throughout the app

===== Feedback Summary =====
Name: Aliza Malik
Email: alizamalik47@gmail.com
Feedback: good naigations throughout the app
Thank you for your feedback!
```

## 8. About us

```
=====
About Us
=====
We are a premier clothing outlet, offering a wide range of fashionable and high-quality apparel for men
, women, and children.

Our Mission:
At our clothing outlet, our mission is to provide our customers with the latest trends, exceptional
customer service, and affordable prices. We strive to create a pleasant shopping experience and help
individuals express their unique style through our diverse selection of clothing.

Our Values:
- Fashion-forward: We stay ahead of the fashion curve, constantly updating our inventory
to offer the latest styles and trends.
- Quality: We believe in providing our customers with high-quality garments that are designed to last.
- Customer satisfaction: Our customers are at the heart of everything we do. We go the
extra mile to ensure their satisfaction and exceed their expectations.
- Diversity and inclusion: We embrace diversity and strive to offer a wide range of
clothing options that cater to different sizes, styles, and cultural preferences.
- Fair pricing: We believe that fashion should be accessible to all.
We offer competitive prices without compromising on quality.

Thank you for choosing our clothing outlet. We look forward to serving you and
helping you find the perfect outfit!
Press 0 to return to the main menu or any other key to exit
```

## 9. Particular product information (Staff mode)

```
1. Customer mode
2. Staff mode
2
Enter the Login ID
admin
Enter the Password
admin123
=====
          Staff Mode
=====
1. Display particular product information
2. Display all products information
3. Show feedbacks
1
=====
          Search for a Product
=====
Enter the name of the product you want to search for
reebok club-c mid
Product found!
price : 21000
sizes : small, medium, large
```

## 10. All product information (Staff mode)

```
=====
          Staff Mode
=====
1. Display particular product information
2. Display all products information
3. Show feedbacks
2
=====
          All Products
=====

          women section

item : three piece suit
price : 20000 rps
sizes : small, medium, large
*****
item : two piece suit
price : 15000 rps
sizes : small, medium, large
*****
item : one piece suit
price : 10000 rps
sizes : small, medium, large
*****
item : nike airmax 90 se
price : 18000 rps
sizes : small, mdium, large
*****
item : nike airforce 1
price : 16000
sizes : small, medium, large
*****
item : converse high
price : 14000
sizes : small, medium, large
*****
```

## 10.Feedback forms (Staff mode )

```
=====
      Staff Mode
=====
1. Display particular product information
2. Display all products information
3. Show feedbacks
3

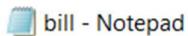
=====
      Feedback : 1
=====
Name: Syed Muhammad Raza Ali
Email: asyedraza85632@gmail.com
Feedback: it is good and easy to use
=====

      Feedback : 2
=====
Name: Maha Siddiqui
Email: maha712@gmail.com
Feedback: it is beneficial for those who prefer online shopping
=====

      Feedback : 3
=====
Name: Aliza Malik
Email: alizamalik47@gmail.com
Feedback: good naigations throughout the app
Press 0 to return to the main menu or any other key to exit
```

## SCREEN SHOTS OF OUTPUT IN FILE

### 1. Bill



bill - Notepad

File Edit Format View Help

|----- Bill -----|

Item : 1

Item name : Converse High

Item price : 14000

Item size : medium

-----| Item : 2

Item name : Casio Men's Classic

Item price : 5600

Item size : Olive Green

-----| Item : 3

Item name : Pink Shirt

Item price : 450

Item size : small

-----| Total amount : 40100

### 2. Feedback



feedback - Notepad

File Edit Format View Help

=====| Feedback : 1

=====| Name: Syed Muhammad Raza Ali

=====| Email: asyedraza85632@gmail.com

=====| Feedback: it is good and easy to use

=====| Feedback : 2

=====| Name: Maha Siddiqui

=====| Email: maha712@gmail.com

=====| Feedback: it is beneficial for those who prefer online shopping

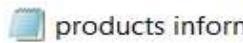
=====| Feedback : 3

=====| Name: Aliza Malik

=====| Email: alizamalik47@gmail.com

=====| Feedback: good naigations throughout the app

### 3. All Product



products information - Notepad

File Edit Format View Help

=====

All Products

=====

women section

item : three piece suit

price : 20000 rps

sizes : small, medium, large

\*\*\*\*\*

item : two piece suit

price : 15000 rps

sizes : small, medium, large

\*\*\*\*\*

item : one piece suit

price : 10000 rps

sizes : small, medium, large

\*\*\*\*\*

item : nike airmax 90 se

price : 18000 rps

sizes : small, mdium, large

\*\*\*\*\*

item : nike airforce 1

price : 16000

sizes : small, medium, large

\*\*\*\*\*

item : converse high

price : 14000

sizes : small, medium, large

\*\*\*\*\*

 products information - Notepad

File Edit Format View Help

item : reebok club-c mid

price : 21000

sizes : small, medium, large

\*\*\*\*\*

item : blue jeans

price : 7000

sizes : small, medium, large

\*\*\*\*\*

item : black jeans

price : 8500

sizes : small, medium, large

\*\*\*\*\*

item : brown jeans

price : 8750

sizes : small,medium, large

\*\*\*\*\*

men section

item : three piece suit

price : 14500

sizes : small, medium, large

\*\*\*\*\*

item : rolex sky-dweller

price : 4800

colors : blue, olive green, white

\*\*\*\*\*

item : casio men's classic

price : 5600

colors : blue, olive green, white

\*\*\*\*\*

 products information - Notepad

File Edit Format View Help

item : lactose men's classic

price : 8200

colors : blue, olive green, white

\*\*\*\*\*

item : casio men's classic

price : 15600

colors : blue, olive green, white

\*\*\*\*\*

item : t-shirt

price : 950

sizes : small, mdium, large

\*\*\*\*\*

item : long shirt

price : 1150

sizes : small, medium, large

\*\*\*\*\*

item : formal shirt

price : 1200

sizes : small, medium , large

\*\*\*\*\*

item : denim shirt

price : 1150

sizes : small, medium, large

\*\*\*\*\*

item : causal shirt

price : 500

sizes : small,medium, large

\*\*\*\*\*

item : nike jordan 1 high

 products information - Notepad

File Edit Format View Help

price : 37000

sizes : small, medium, high

\*\*\*\*\*

item : nike airmax 97

price : 40000

sizes : smal, medium , large

\*\*\*\*\*

item : converse low

price : 19500

sizes : small, medium ,large

\*\*\*\*\*

item : adidas 4d

price : 55000

sizes : small, medium, large

\*\*\*\*\*

item : reebok leather shoes

price : 22000

sizes : small, medium, large

\*\*\*\*\*

item : blue jeans

price : 5500

sizes : small, medium, large

\*\*\*\*\*

item : black jeans

price : 4000

sizes : small, medium, large

\*\*\*\*\*

item : brown jeans

price : 6750

 products information - Notepad

File Edit Format View Help

sizes : small, medium, large

\*\*\*\*\*

item : denim jeans

price : 8250

sizes : small, medium, large

\*\*\*\*\*

item : grey jeans

price : 3500

sizes : small, medium, large

\*\*\*\*\*

kids section

item: blue shirt

price : 400

sizes : small, medium, large

\*\*\*\*\*

item : yellow shirt

price : 500

sizes : small, medium, large

\*\*\*\*\*

item : pink shirt

price : 450

sizes : small, medium, large

\*\*\*\*\*

item : green shirt

price : 500

sizes : small, medium, large

\*\*\*\*\*

item: blue watch

 products information - Notepad

File Edit Format View Help

price : 1500

sizes : small, medium, large

\*\*\*\*\*

item : yellow watch

price : 2100

sizes : small, medium, large

\*\*\*\*\*

item : pink watch

price : 1500

sizes : small, medium, large

\*\*\*\*\*

item : green watch

price : 2500

sizes : small, medium, large

\*\*\*\*\*

item: blue frock

price : 600

sizes : small, medium, large

\*\*\*\*\*

item : yellow frock

price : 600

sizes : small, medium, large

\*\*\*\*\*

item : pink frock

price : 450

sizes : small, medium, large

\*\*\*\*\*

item : green frock

price : 1000

price : 1000

sizes : small, medium, large

\*\*\*\*\*

item: blue shoes

price : 1200

sizes : small, medium, large

\*\*\*\*\*

item : yellow shoes

price : 1500

sizes : small, medium, large

\*\*\*\*\*

item : pink shoes

price : 1450

sizes : small, medium, large

\*\*\*\*\*

item : green shoes

price : 3000

sizes : small, medium, large

\*\*\*\*\*

## **SYSTEM TESTING**

To demonstrate the project's functionality, each program component has undergone individual testing. Testing was carried out by excluding all potential combinations of options and testing each function independently.

Eventually, it became apparent that every element was interacting as it should.

## **CONCLUSION**

After this project was finished, the following outcomes were obtained.

- All outputs provided are appropriate in light of the user-selected options.
- The program generates the data in accordance with the provided information.
- The program successfully creates the customer's bill information.
- In the event that a new customer needs to be perform its task, the program completes other tasks effectively.
- The program successfully saves the customer's data.
- The initiative appears to have achieved its goal and served its function based on the aforementioned evidence.