

B.SC. ENGG. THESIS

A Thesis on Online Shop

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Acknowledgment

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Abstract

The Online Multi Shop is a C based program based application intended for online retailers. The main objective of this application is to make it interactive and its ease of use. It has a unique registration and sign in function for users. Users can enjoy a fluent user panel in our program. Here users can easily buy products, edit their details, request for a product very easily. It contains a sophisticated admin panel for owner's to manage their business more effectively. The admin panel provides an easy and convenient way to edit, add, delete a product interactively. Then the users can view the added, edited and deleted products. Admin can also view the product reviews, requested products and users can write their own reviews and request for a product. The application provides a user a fluent interface to buy their desired goods. This program also includes all the available payment gateways for users. The main emphasis lies in providing a user friendly shopping program for all the users.

- *Online Multi Shop.*

Declaration

We hereby declare that the Thesis on Online Multi-Shop submitted in partial fulfillment of the requirements for the degree of Bachelor of Science in Computer Science and Engineering of Bangladesh University of Business and Technology (BUBT) is our own work and that it contains no material which has been accepted for the award to the candidate(s) of any other degree or diploma, except where due reference is made in the text of the project. To the best of our knowledge, it contains no materials previously published or written by any other person except where due reference is made in the project.



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Chapter 1

Introduction

1.1 Introduction

Online shopping is the process whereby consumers directly buy goods or services from a seller in real-time, without an intermediary service, over the Internet. It is a form of electronic commerce. An online shop, e-shop, e-store, Internet shop, web shop, web store, online store, or virtual store evokes the physical analogy of buying products or services at a bricks-and-mortar retailer or in a shopping center.

The process is called business-to-consumer (B2C) online shopping. When a business buys from another business, it is called business-to-business (B2B) online shopping. In 1991 the Worldwide Web opened for commercial use. In 1994 other advances took place, such as on-line banking and the opening of an online pizza shop by Pizza Hut. During that same year, Netscape introduced Secure Sockets Layer encryption of data transferred online, which has become essential for secure online shopping. Also, in 1994, the German company Inter shop introduced its first online shopping system. In 1995, Amazon launched its online shopping site, and in 1996, eBay appeared. A good online store is a website that is easy to navigate and browse for possible purchases. It has a product catalog that customers can use to browse the search criteria (usually a type, price, material, age, etc.), and information about the products, the sellers, and the service center. Online stores may also discuss business conditions and a Complaints Procedure. If a shopper finds a product to purchase, clicking "send" will add the item to the shopping cart. The shopping cart collects all items to be purchased. Once a shop-

per is satisfied with their selections, the shopper makes a binding order and payment using a credit card or other financial arrangement. Therefore, implementing usability testing is highly important for an online store to avoid the reduce of overall performances of the online store In the twenty first century, online shopping has become very popular, especially with the lifestyles of business people who are always busy and are looking for a convenient way to shop.

1.2 The Multi Online Shop

An online multi-shop is an online system market through which people can easily buy any goods from home. People do not have to go to the market or outside their home for buying products if they use our shopping program. When someone go outside for buy a product they often use to wait in a line or don't get the right deals. But online shopping put an end to this sufferings. People can now buy things from our shop laying down on their couch. We have various kind of products from many companies. So people can trust us on our quality. We also offer the greatest deals available on the market. We also provide all kind of payment gateways available right now. Our program has many kind of parts - Like: Registration, Sign In, Shopping Menu, Credits, Admin Panel, Exit etc.



Figure 1.1: Online Shop Welcome Page

1.2.1 User Panel

In our program the first option is user panel. Here the users can register, sign-in. A user must come to this page to register as user and sign-in to access their user options.

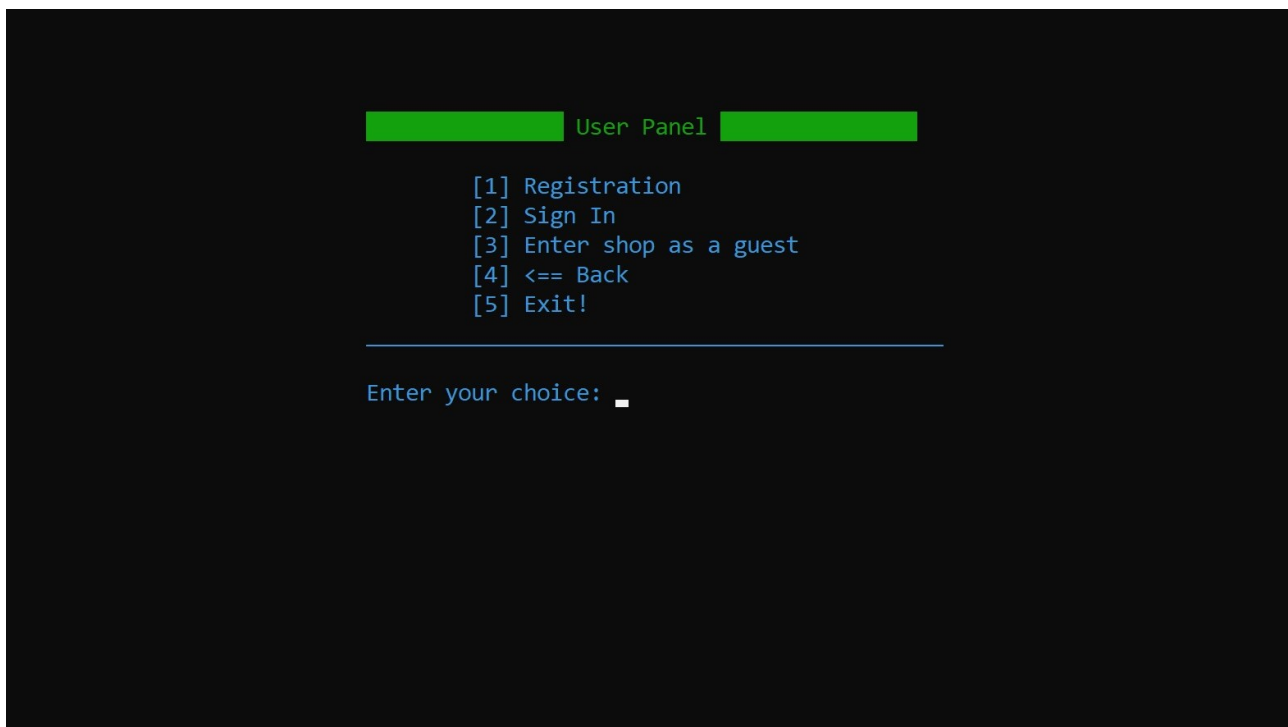
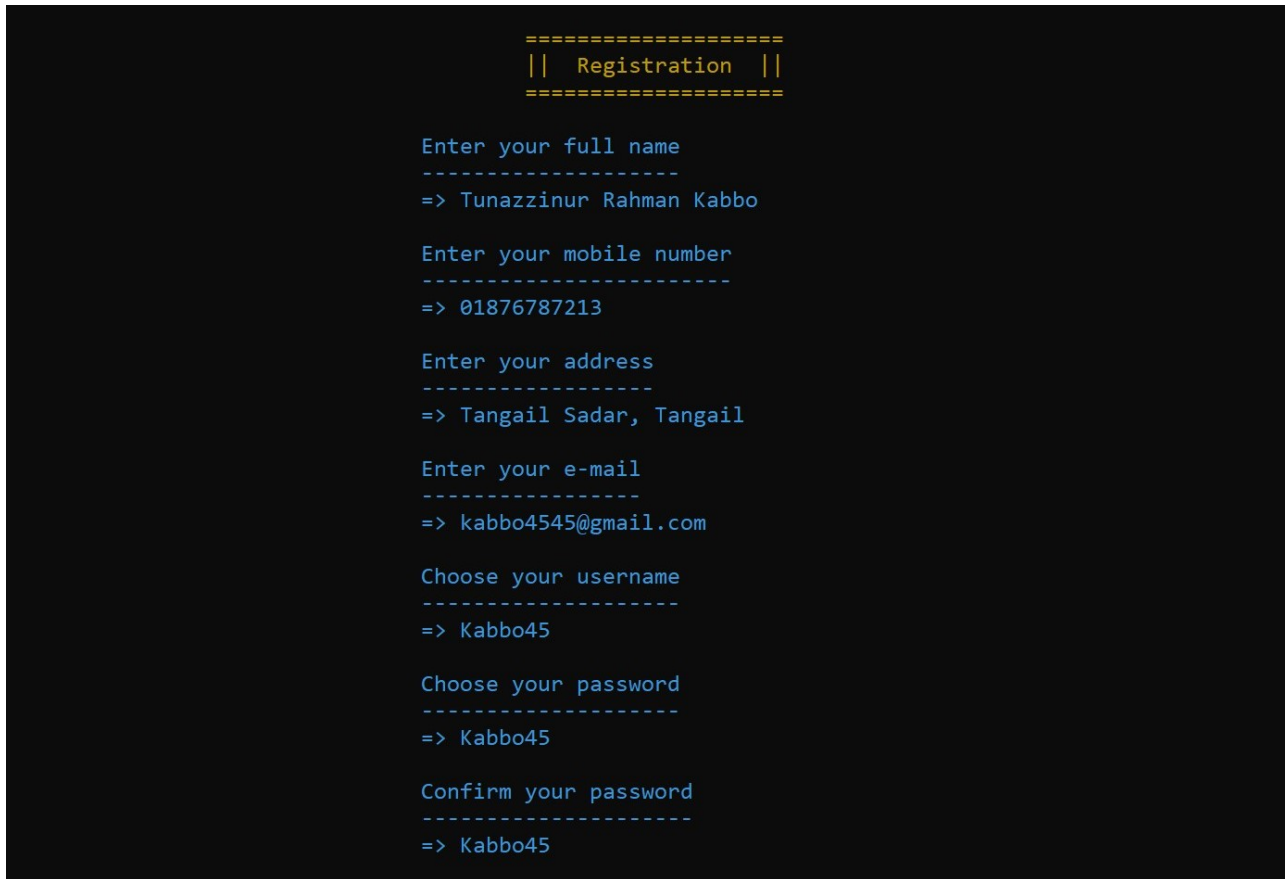


Figure 1.2: User Panel

1.2.2 Working System of Registration

Through registration we take all kinds of customer information. Through this a person writes his identity in our shop. Later he can shop by logging in to their registered accounts.



```
=====  
|| Registration ||  
=====
```

```
Enter your full name  
-----  
=> Tunazzinur Rahman Kabbo
```

```
Enter your mobile number  
-----  
=> 01876787213
```

```
Enter your address  
-----  
=> Tangail Sadar, Tangail
```

```
Enter your e-mail  
-----  
=> kabbo4545@gmail.com
```

```
Choose your username  
-----  
=> Kabbo45
```

```
Choose your password  
-----  
=> Kabbo45
```

```
Confirm your password  
-----  
=> Kabbo45
```

Figure 1.3: Working procedure of Registration

The Users' full name, mobile number, address, e-mail, username and password is taken while registration is made here. Through this, an account is started in the name of that user. After that they will be directed to the sign-in option.

1.2.3 Working System Of Sign-in

By signing in, the user can access his own account with his username and password. No one can know their identity of the user of this system.

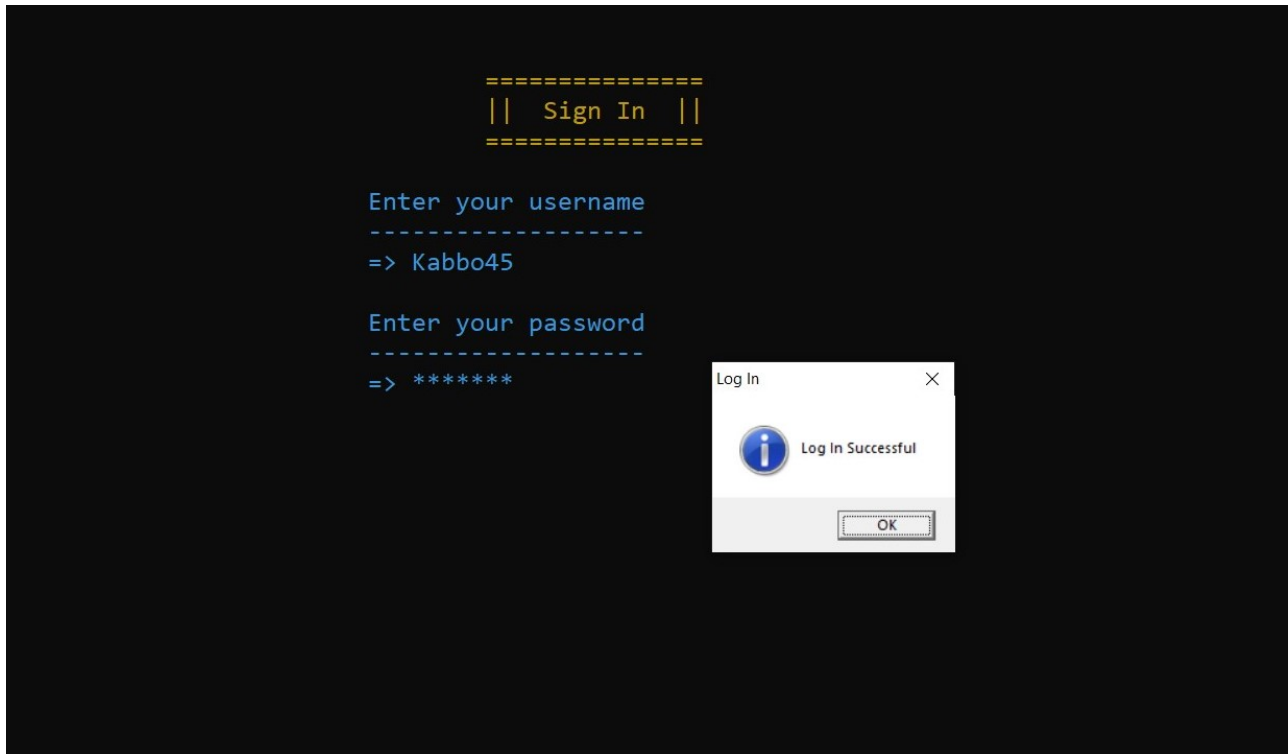


Figure 1.4: Working procedure of Sign-In System

This sign-in system is must for a user to access their account and to access our services. It is a secured way for shopping. Because this allows the buyer to enter his online shop using only passwords. They can easily get-in-to the shop by signing in.

1.2.4 User Option

After signing in, Users will be redirected to this page. Here all the user services is listed by giving their desired option they can access that page

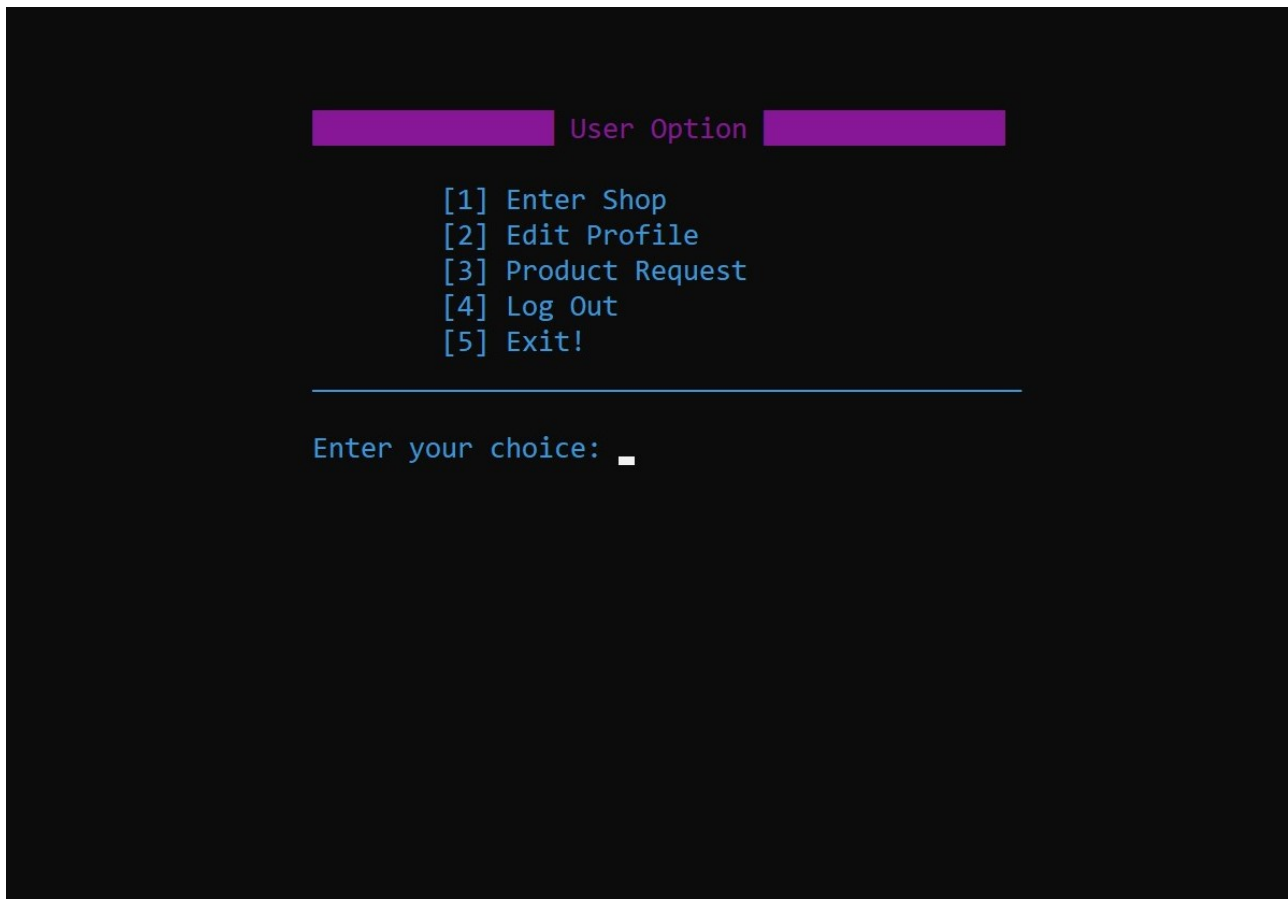


Figure 1.5: User Options

1.2.5 Shop Option

This is the first option in the User Option. Here all the available product categories are given. Here users can go to their desired categories to buy products.

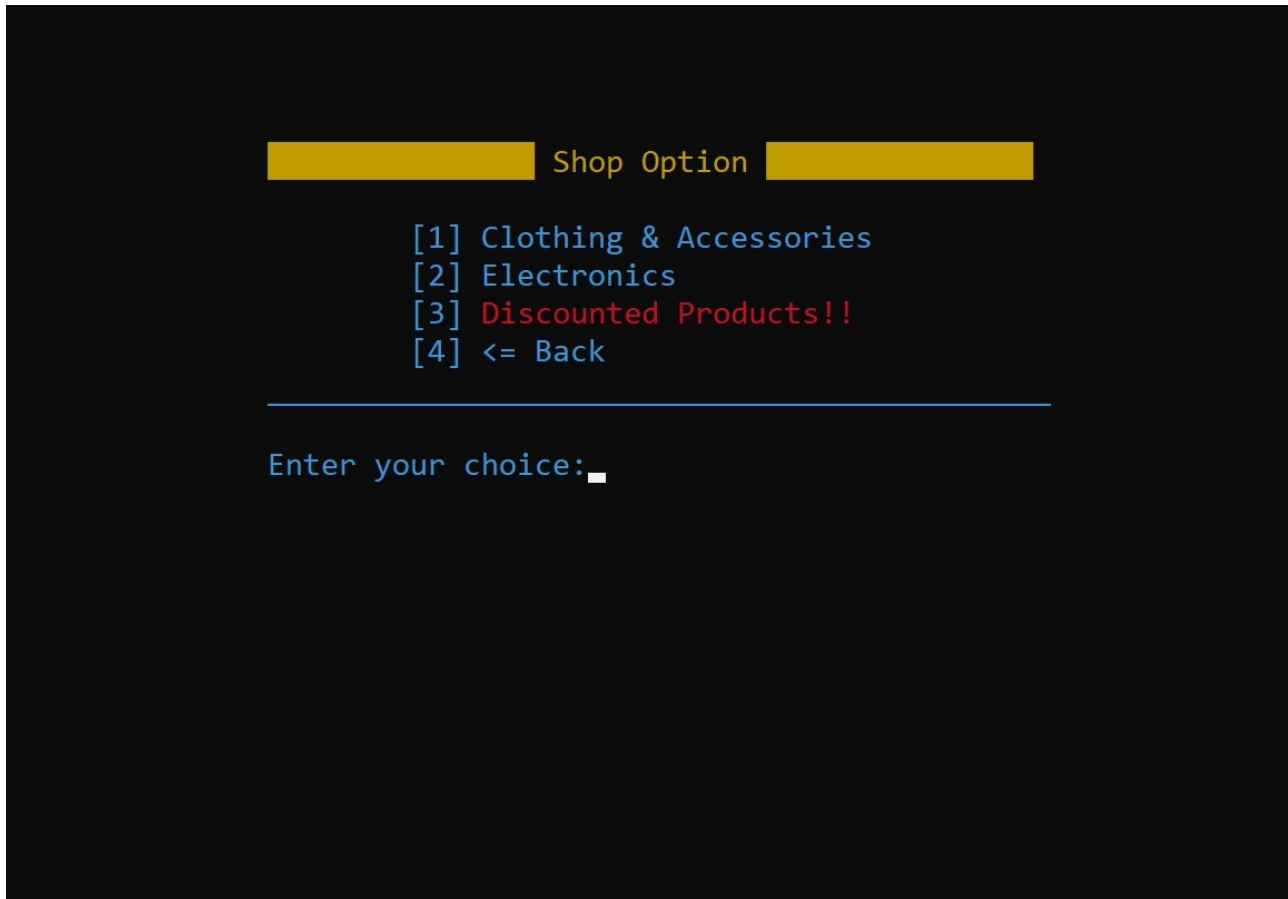


Figure 1.6: Shop Options

1.2.6 Clothing and Accessories

Here all the available clothing and accessories are listed gender wise and children too. Users can buy their desired goods by selecting the appropriate options.

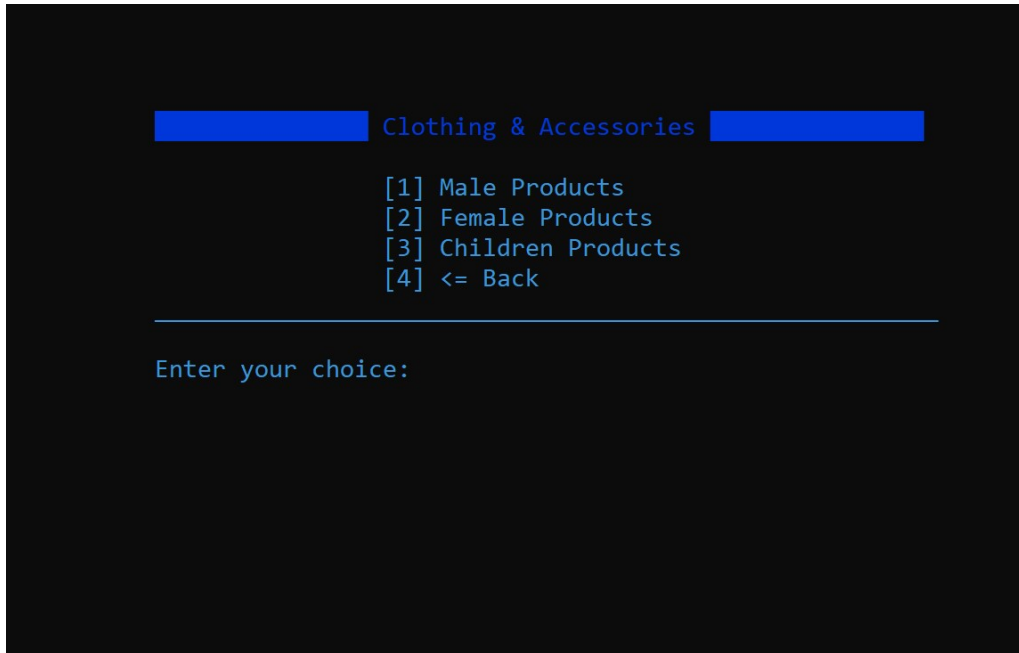


Figure 1.7: Clothing Accessories Options



Figure 1.8: [1] Male Products

Name	Price	Code
Sharee	1300	991
Kamiz	650	992
Pajama	300	993
Churi	250	994
Borka	900	995
Shoes	780	996
Heels	1500	997

[*] Enter '0' to back

Enter item's code to buy:

Figure 1.9: [2] Female Products

Name	Price	Code
Gun	200	881
Car	230	882
Airplane	500	883
Doll	430	884
Panda	300	885

[*] Enter '0' to back

Enter item's code to buy:

Figure 1.10: [3] Children Products

1.2.7 Electronics

This is the second option in the Shop Option. Here all the electronic products are given. Here users can buy their desired electronic products.



Name	Price	Code
Charger	250	551
Headphone	350	552
SSD	3500	553
HDD	4500	554
Motherboard	5600	555
Monitor	10000	556

[*] Enter '0' to back

Enter item's code to buy:

Figure 1.11: Shop Options

1.2.8 Discounted Products

This is the third option in the Shop Option. Here all the discounted products are given. Here users can find amazing deals on many products.

Code	Name	Original Price	Discount Percentage	Discounted Price
999	Iphone	60000	20%	48000
111	OnePlus	70000	30%	49000
919	Xiaomi	30000	10%	27000
191	Tshirt	350	25%	263
90	Shoe	6700	13%	5829

[*] Enter '0' to back

Discounts

Enter item's code to buy:

Figure 1.12: Shop Options

1.2.9 Edit Profile System

This section can correct a person who is wrong in his name or address or anything else. It is an important part of the online shop system.

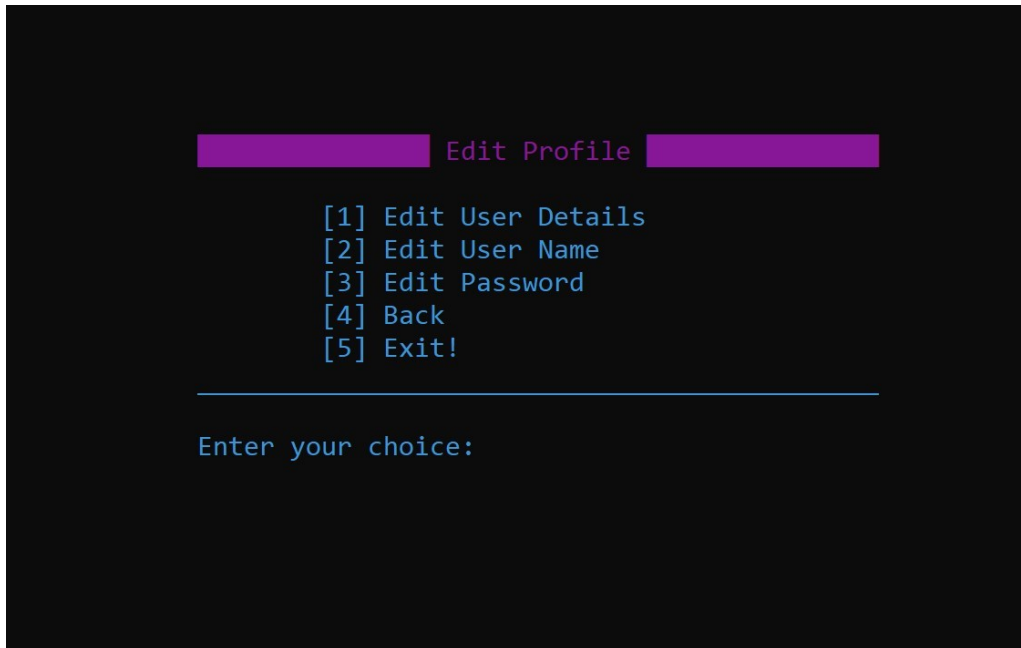


Figure 1.13: Edit Profile Menu

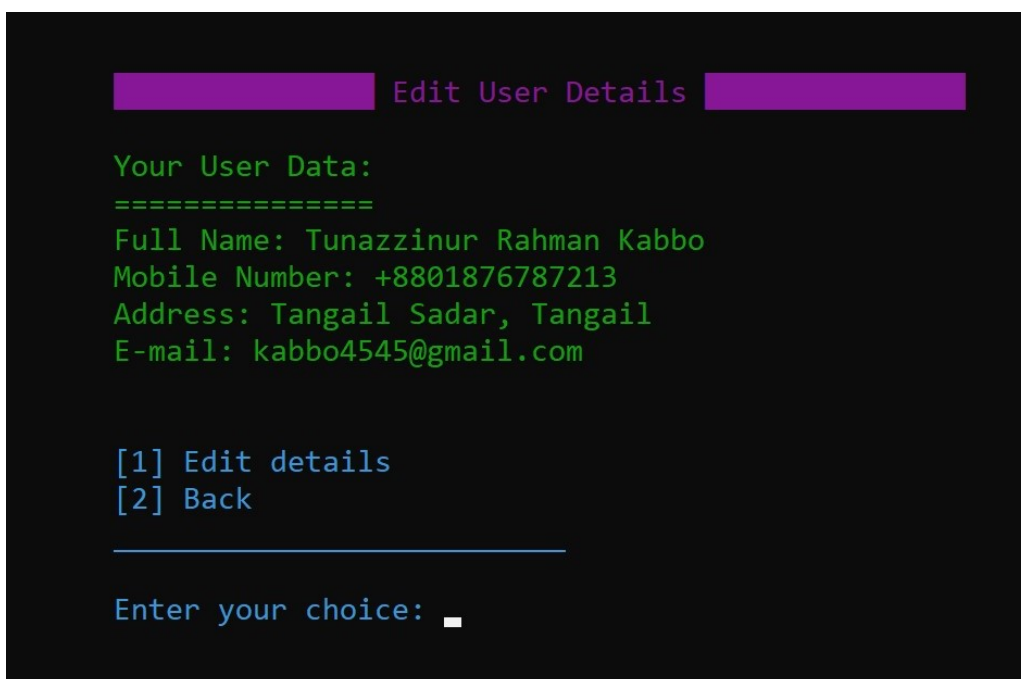


Figure 1.14: Edit User Details Option



Figure 1.15: Edit User Name Option

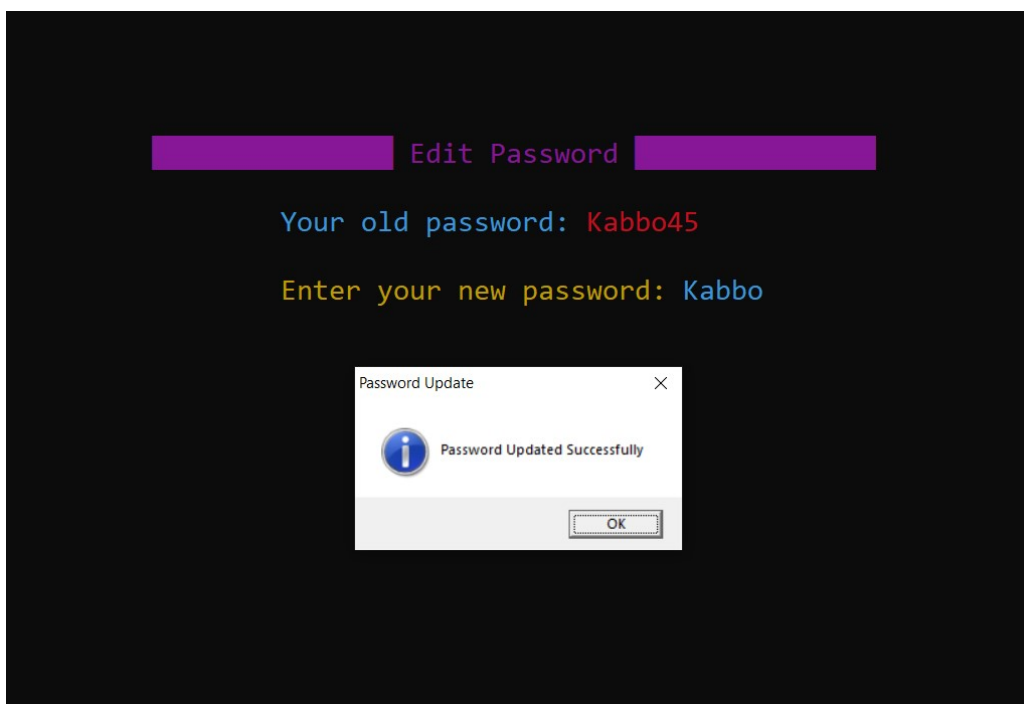


Figure 1.16: Edit Password Option

1.2.10 Product Request

This is the third option in the User Option. Here you can request admin for any kind of products of your choice.

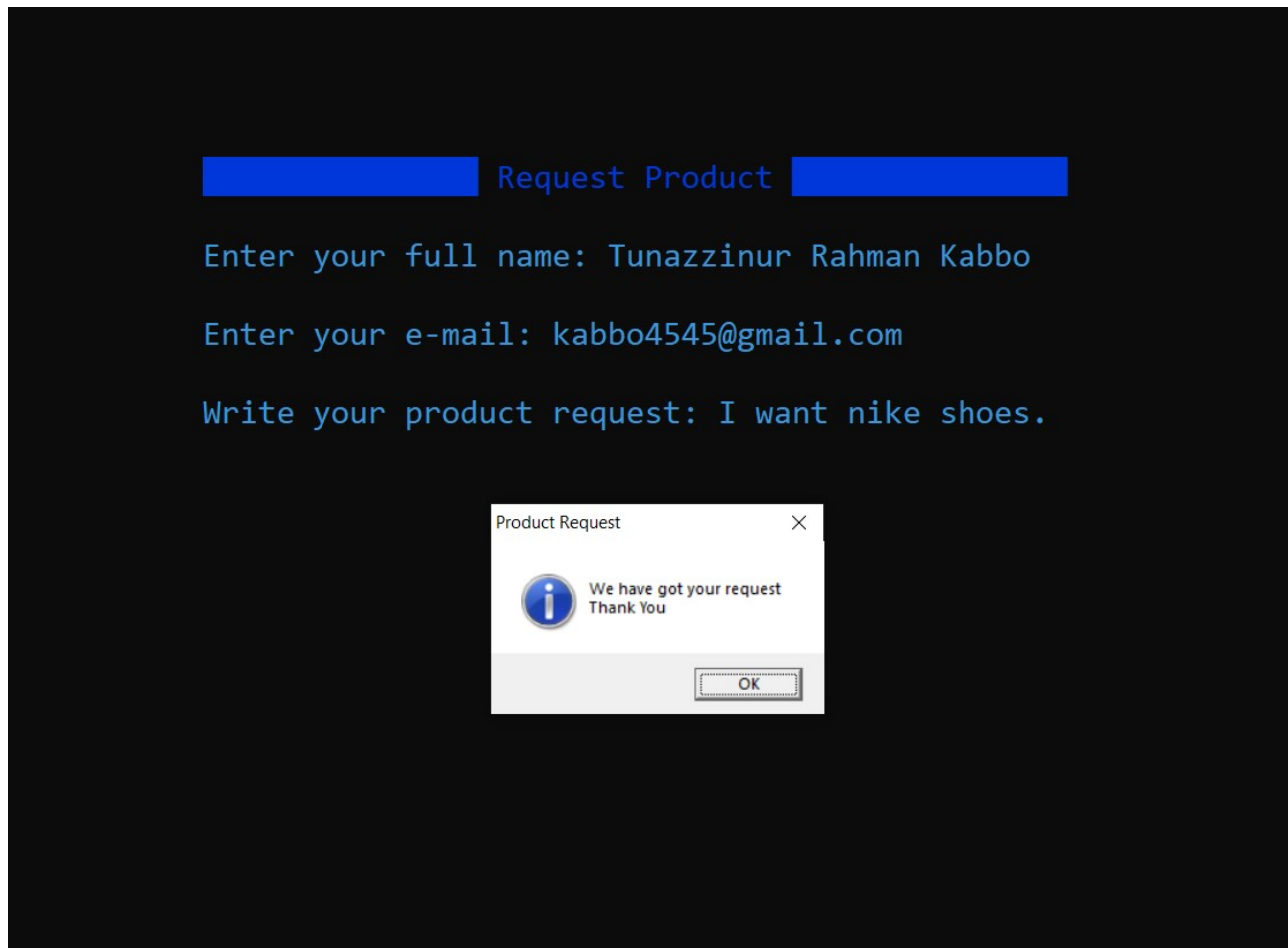


Figure 1.17: Working process of requesting a product

1.3 Admin Panel

1.3.1 Admin Panel Login

It's a very important part of Online-Multi Shop. How does a seller arrange his product with it? This section is for how he will present his products to everyone. It is used to work out how an admin will run his program. This section is not for buyers.

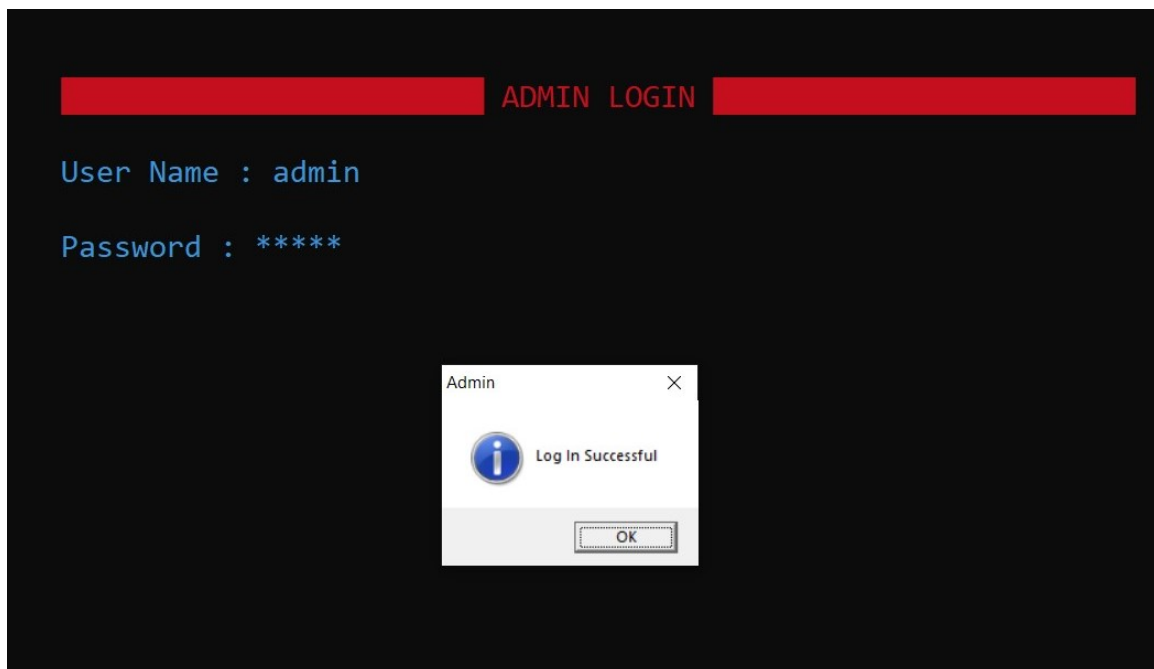
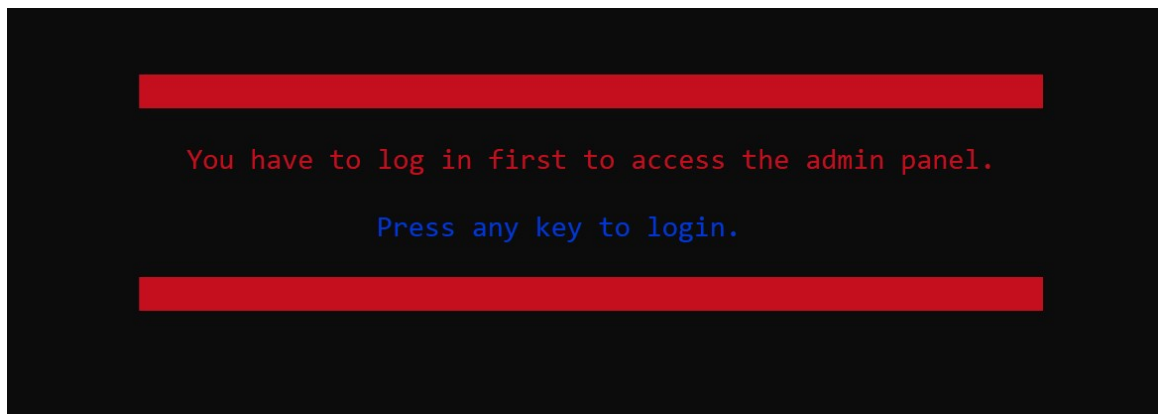


Figure 1.18: Working procedure of Admin Panel Login System

1.3.2 Admin Panel Options

After logging in as an admin. The admin will find this page. Here all the available program for an admin is listed fluently. An admin can easily access these programs which is very important to manage an online shop.

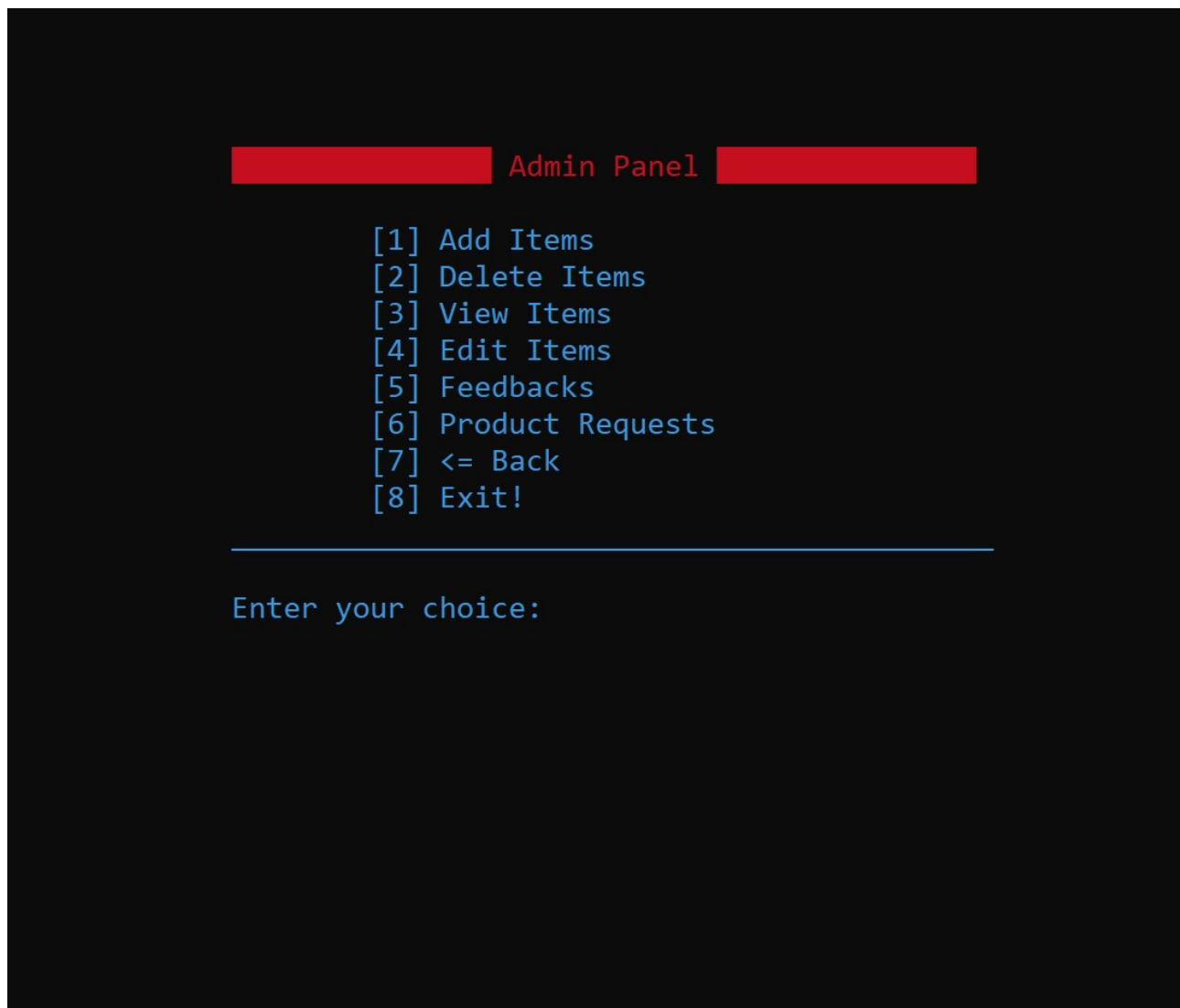


Figure 1.19: Admin Panel Options

1.3.3 Add Products

This is the first option in the admin panel. Here an admin can add products in the given categorise. This is very important because for managing a online shop admin need to have this function. So that, they can add products whenever they want.

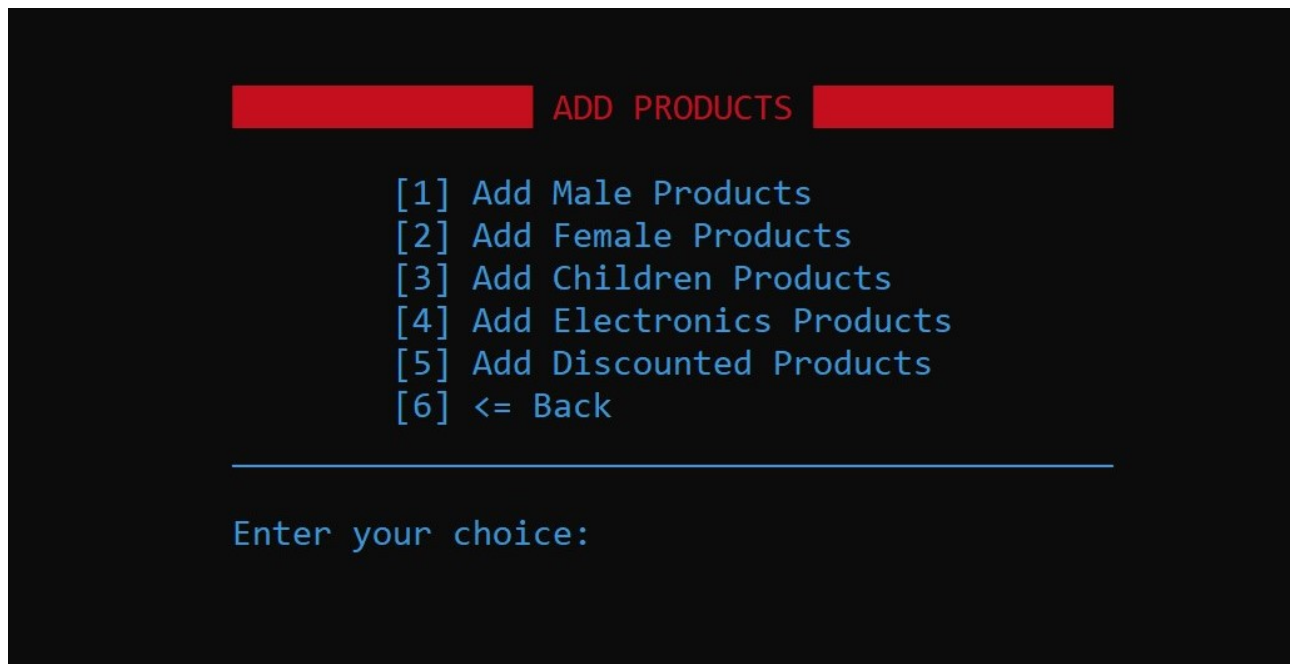


Figure 1.20: Add Products Options

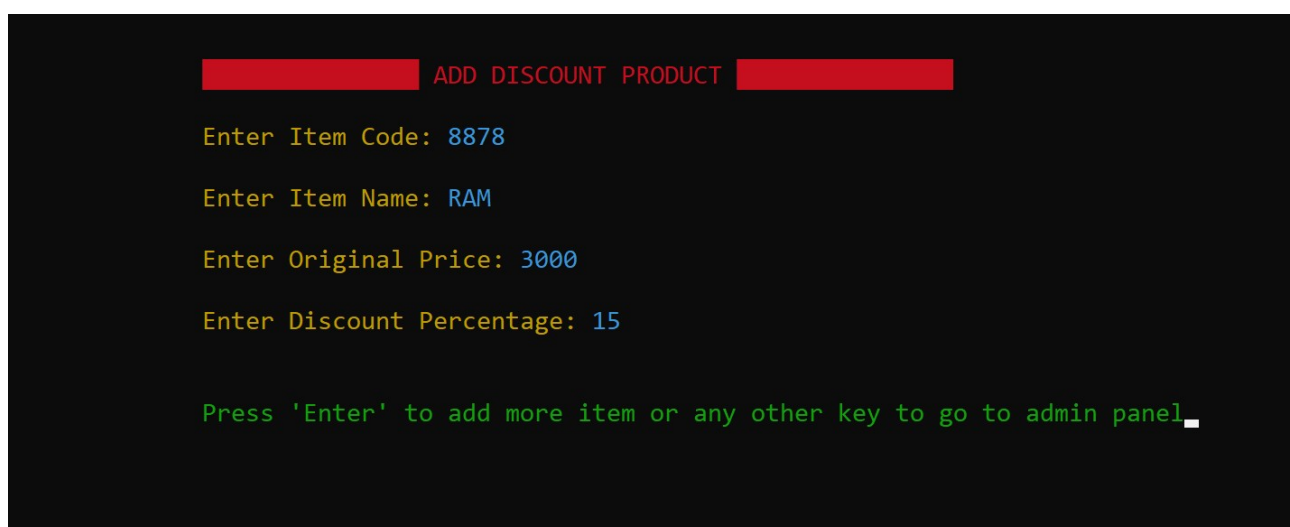


Figure 1.21: Working process of adding a product

1.3.4 Delete Products

This is the second option in the admin panel. Here an admin can delete products in the given categorise. This is very important because for managing a online shop admin need to have this function. So that, they can delete products whenever they want.

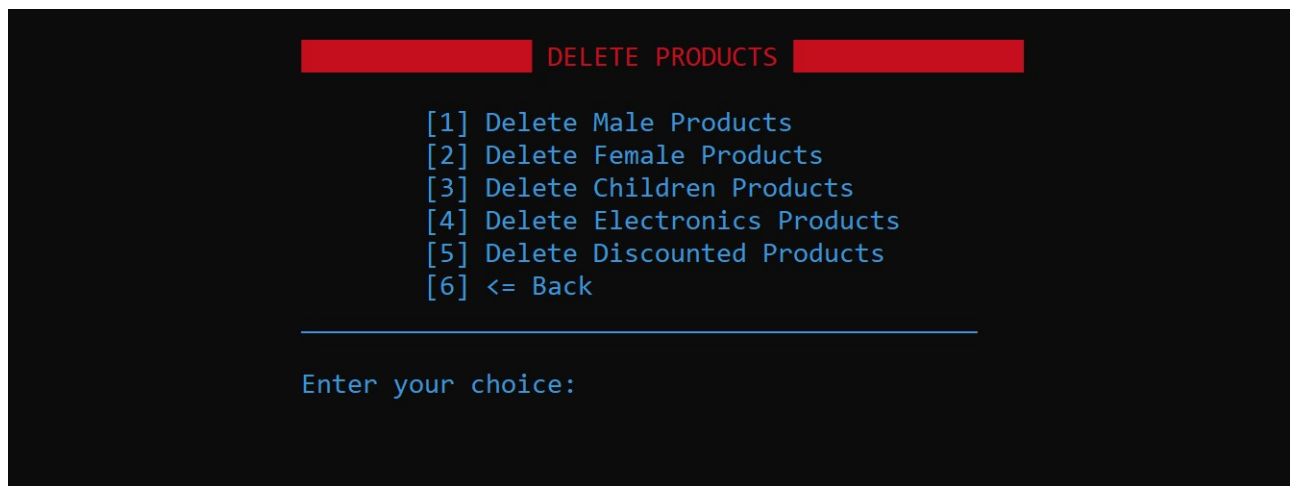


Figure 1.22: Delete Products Options

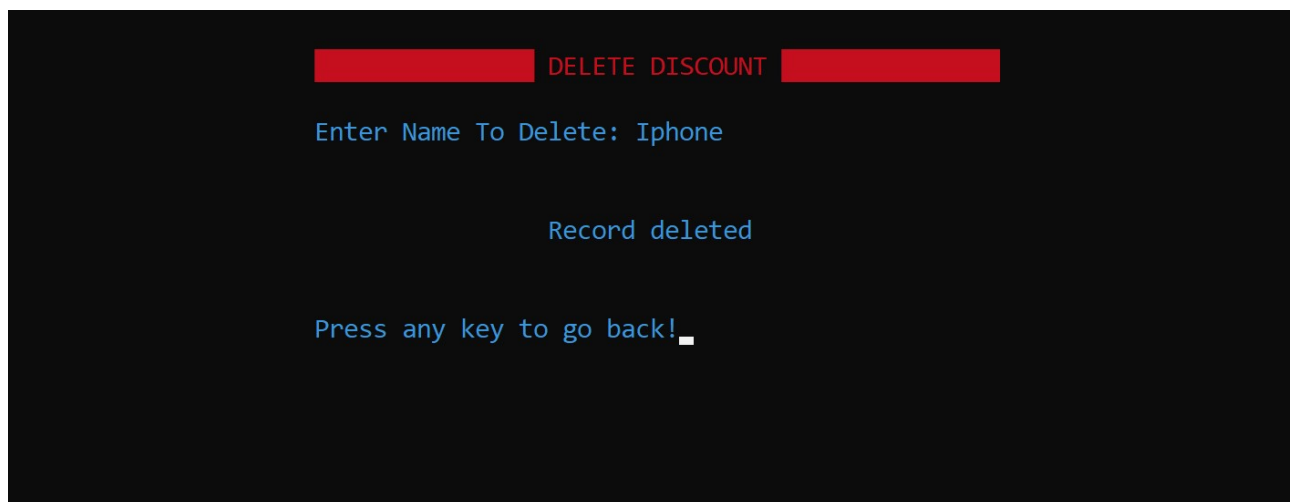


Figure 1.23: Working process of deleting a product

1.3.5 View Products

This is the third option in the admin panel. Here an admin can see his changes made by him in the given categorise. This is very important because for managing a online shop admin need to have this function. So that, they can see available products whenever they want.

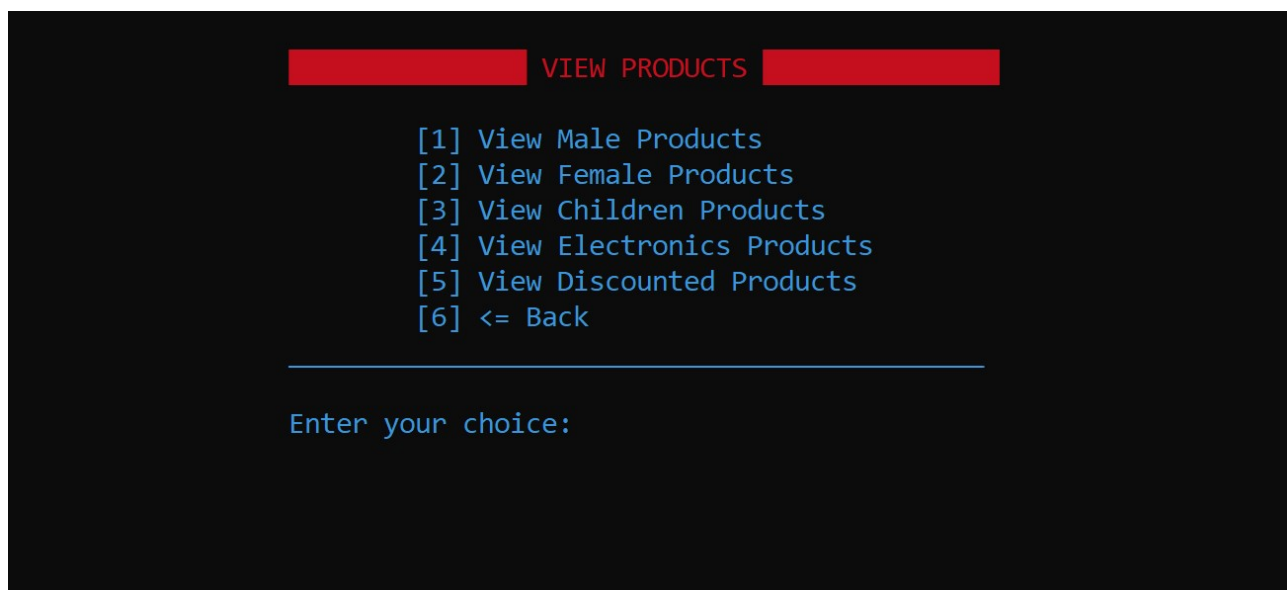


Figure 1.24: View Products Options

A screenshot of a terminal window displaying a table of products. The table has three columns: Name, Price, and Code. The products listed are Tshirt, Denim, Jacket, Socks, Sunglass, and Watch. Below the table is a green text prompt: "Press any key to go to back".

Name	Price	Code
Tshirt	350	101
Denim	1300	102
Jacket	2000	103
Socks	50	104
Sunglass	250	105
Watch	450	106

Figure 1.25: Working process of viewing a product

1.3.6 Edit Products

This is the fourth option in the admin panel. Here an admin can edit products in the given categorise. This is very important because for managing a online shop admin need to have this function. So that, they can edit products whenever they want.

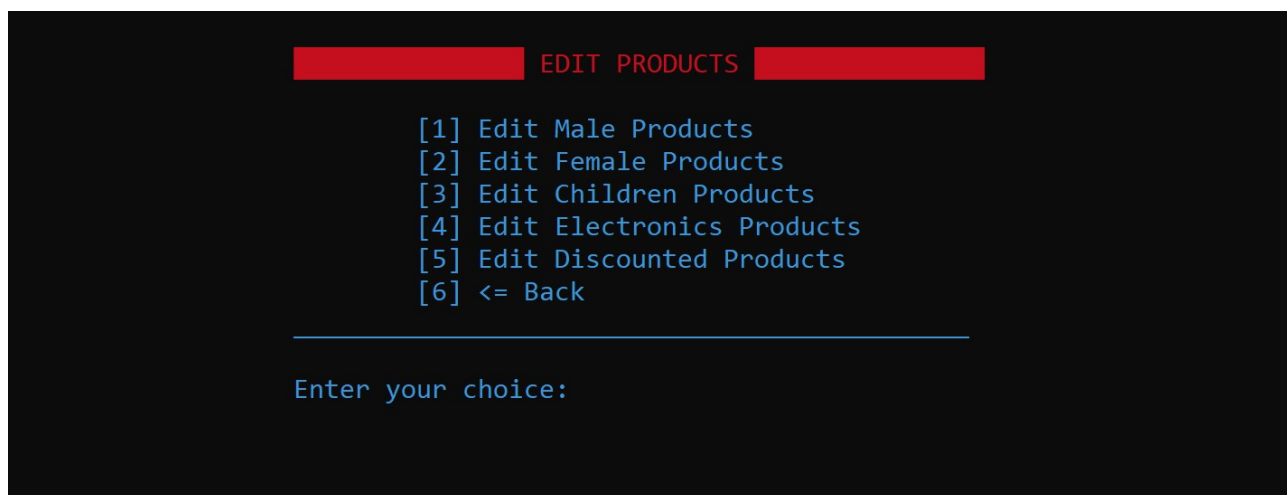


Figure 1.26: Edit Products Options

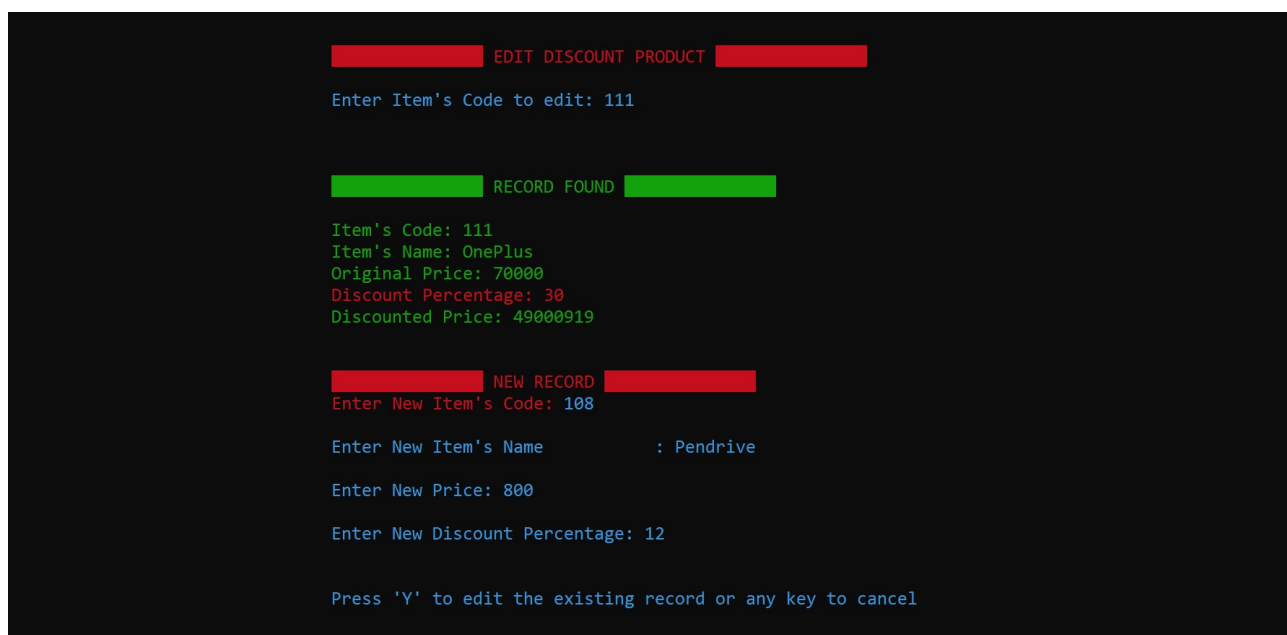


Figure 1.27: Working process of editing a product

Chapter 2

Proposed Model

2.1 Introduction

Online shopping is the process whereby consumers directly buy goods or services from a seller in real-time, without an intermediary service, over the Internet. It is a form of electronic commerce. An online shop, e-shop, e-store, Internet shop, web shop, web store, online store, or virtual store evokes the physical analogy of buying products or services at a bricks-and-mortar retailer or in a shopping center. There are many Kind Of Section in Our Projects: 1.Clothing 2.Electronic Accessories 3.Health Care 4.Furniture's 5.Consumer Foods 6.Stationery's 7.Digital Service

Chapter 3

Conclusion

Technology has made significant progress over the years to provide consumers a better online shopping experience and will continue to do so for years to come. With the rapid growth of products and brands, people have speculated that online shopping will overtake in-store shopping. While this has been the case in some areas, there is still demand for brick and mortar stores in market areas where the consumer feels more comfortable seeing and touching the product being bought. However, the availability of online shopping has produced a more educated consumer that can shop around with relative ease without having to spend a large amount of time. In exchange, online shopping has opened up doors to many small retailers that would never be in business if they had to incur the high cost of owning a brick and mortar store. At the end, it has been a win-win situation for both consumer and sellers.

The purpose of online shopping is to save time, save money. Through online shopping one can save his valuable time. One can watch and select things he wants to buy. Yes online shopping is pretty popular among the young blood. Many teenagers and bachelors are now using the E-Commerce for fulfilling there shopping desires. Most of them are completely aware of all the pros and cons of online shopping. Graduates are the majority users of E-retail. Cash on delivery remains the best choice for payment followed by Debit and credit cards. Females are marginally more interested in shopping through the internet due too its convenience. Most users are shopping once or twice a week though the web with spending ranging from rupees 100 to 2500 monthly. With most of the E- retailers selling branded goods and having flexible return policies they are being well trusted by the users. Apparel, footwear and Accessories

lead as the most demanded goods online followed by Software and Music. The most visited and trusted sites are Amazon and Flip-kart according to the survey. After this analysis we conclude that India has a huge potential for growth of a multi billion dollar industry of E-Commerce as the top players of the market are having more than 100 percent growth year on year and their valuations are crossing billions of dollars.

Thank You