B.Sc. Engg. Thesis

A Thesis on Online Shop

Tunazzinur Rahman Kabbo (ID: 19202103269)

Md. Zobayer Hasan Nayem (ID: 19202103274)

Md. Mehedi Hasan (ID: 19202103264)

Submitted to

Department of Computer Science & Engineering

(In partial fulfillment of the requirements for the degree of Bachelor of Science in Computer Science & Engineering)

Department of Computer Science & Engineering

Bangladesh University of Business & Technology (BUBT)

Dhaka 1000

March 6, 2021

Acknowledgment

We would like to pay our gratitude to the Almighty Allah who created us with all the abilities to understand analysis and develop the process with patience. We are thankful to our thesis supervisor Meer Muttakin Alam, Assistant Professor, Computer Science and Engineering Department, Bangladesh University of Business and Technology for his professional guidance and motivation during the work of this thesis which is a major part of it. Without his valuable support and guidance, this thesis could not reach this level of development from our point of view.

We would like to thank all the Faculty members, Department of CSE, Bangladesh University of Business and Technology for their valuable time spend in requirements analysis and evaluation of the thesis work. We would like to express our sincere and warm gratitude to all those who have encouraged us directly, provided mental encouragement and criticized our work in several phases during the development of this thesis and for preparing this thesis indirectly.

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.

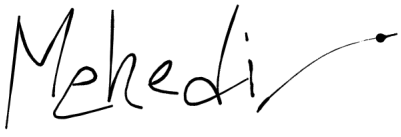
- *Online Multi Shop.*

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.

Tunazzinur Rahman Kabbo
ID: 19202103268

Md.Zobayer Hasan Nayem
ID: 19202103274



Mehedi Hasan
ID: 19202103264

Copyright

© Copyright by Tunazzinur Rahman Kabbo (19202103268), Md. Zobayer Hasan Nayem (19202103274) and Md. Mehedi Hasan (19202103264).

All Right Reserved.

Contents

Acknowledgment **i**

Abstract **ii**

Declaration **iii**

Copyright **iv**

1 Introduction **1**

1.1 Introduction 1

1.2 The Multi Online Shop 3

1.2.1 User Panel 4

1.2.2 Working System of Registration 5

1.2.3 Working System Of Sign-in 6

1.2.4 User Option 7

1.2.5 Shop Option 8

1.2.6 Clothing and Accessories 9

1.2.7 Electronics 11

1.2.8 Discounted Products 12

1.2.9 Edit Profile System 13

1.2.10 Product Request 15

1.3 Admin Panel 16

1.3.1 Admin Panel Login 16

1.3.2 Admin Panel Options 17

1.3.3 Add Products 18

1.3.4 Delete Products 19
1.3.5 View Products 20
1.3.6 Edit Products 21

2 Proposed Model **22**
2.1 Introduction 22

3 Conclusion and Future Work **23**
3.1 Conclusion 23
3.2 Future Work 23

List of Figures

1.1 Online Shop Welcome Page . . . 3
1.2 User Panel . . . 4
1.3 Working procedure of Registration . . . 5
1.4 Working procedure of Sign-In System . . . 6
1.5 User Options . . . 7
1.6 Shop Options . . . 8
1.7 Clothing Accessories Options . . . 9
1.8 [1] Male Products . . . 9
1.9 [2] Female Products . . . 10
1.10 [3] Children Products . . . 10
1.11 Shop Options . . . 11
1.12 Shop Options . . . 12
1.13 Edit Profile Menu . . . 13
1.14 Edit User Details Option . . . 13
1.15 Edit User Name Option . . . 14
1.16 Edit Password Option . . . 14
1.17 Working process of requesting a product . . . 15
1.18 Working procedure of Admin Panel Login System . . . 16
1.19 Admin Panel Options . . . 17
1.20 Add Products Options . . . 18
1.21 Working process of adding a product . . . 18
1.22 Delete Products Options . . . 19
1.23 Working process of deleting a product . . . 19

1.24 View Products Options 20
1.25 Working process of viewing a product 20
1.26 Edit Products Options 21
1.27 Working process of editing a product 21

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 online 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.

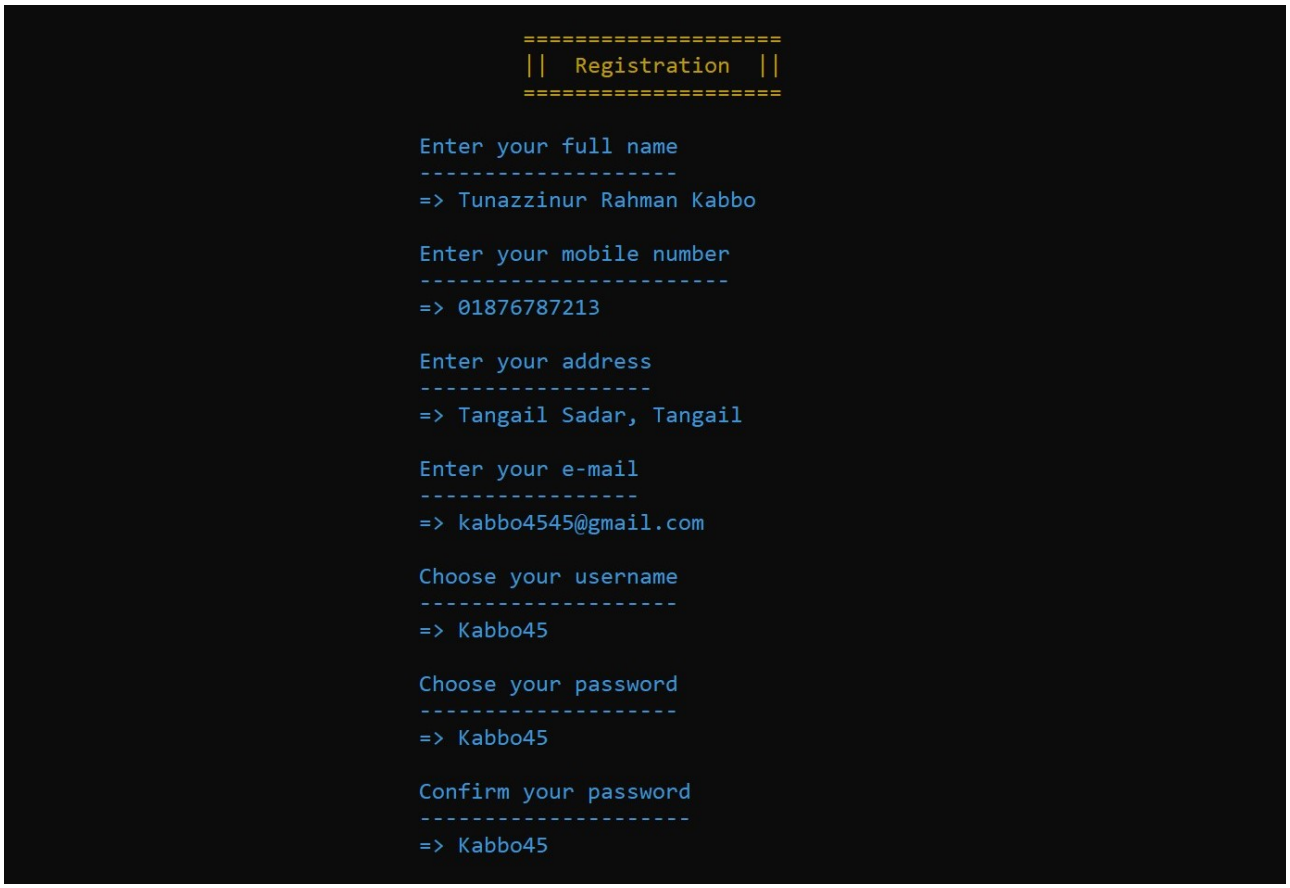


Figure 1.3: Working procedure of Registration

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.

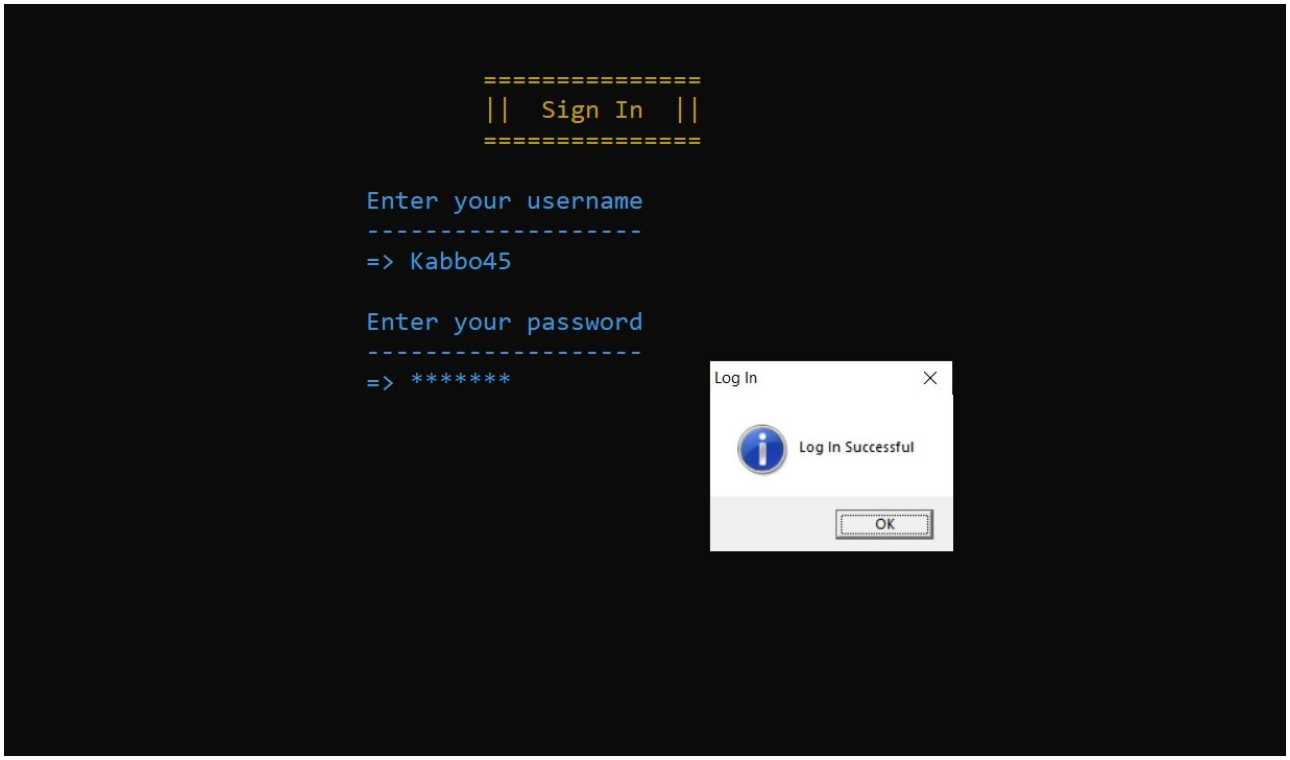


Figure 1.4: Working procedure of Sign-In System

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

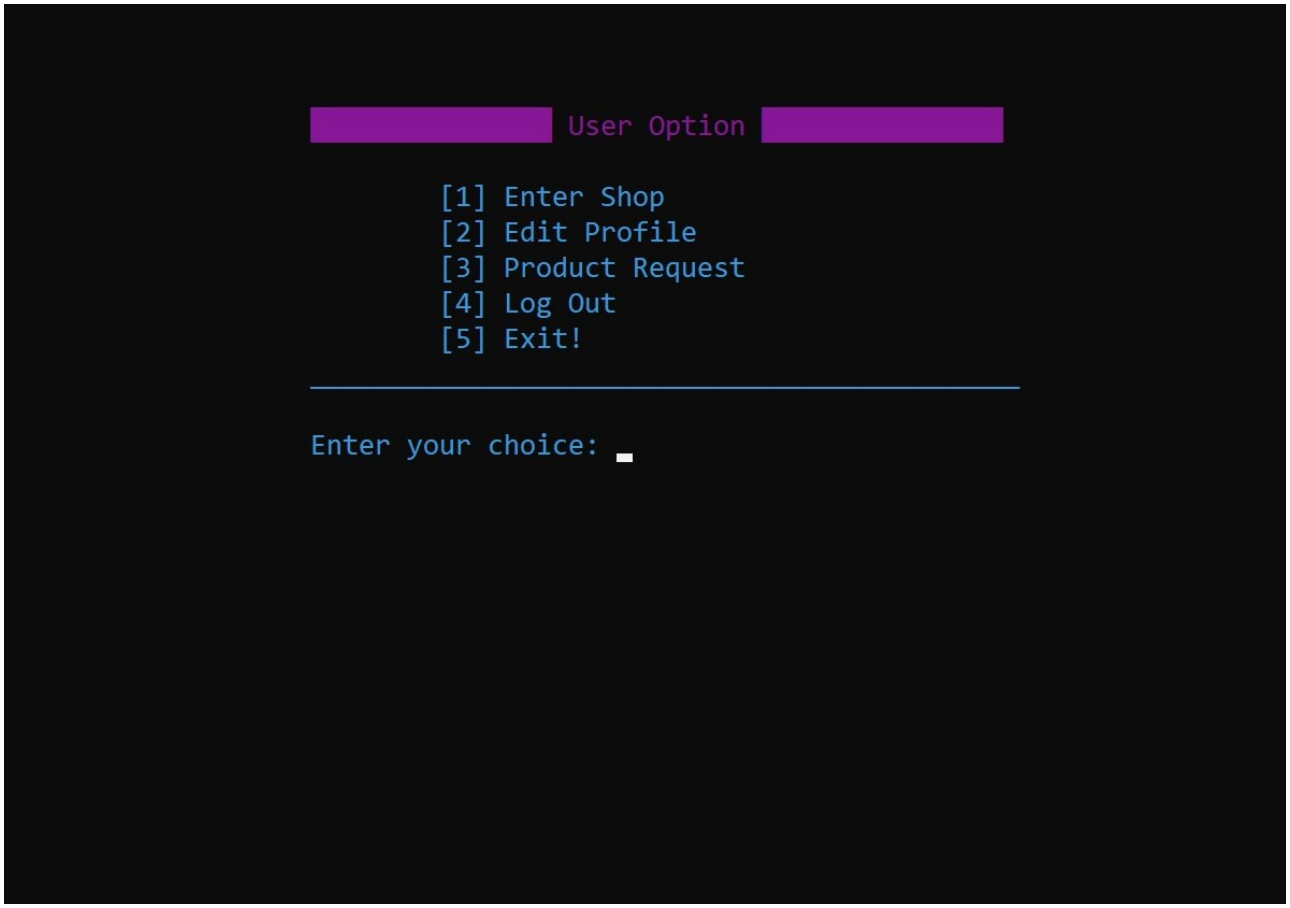


Figure 1.5: User Options

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.

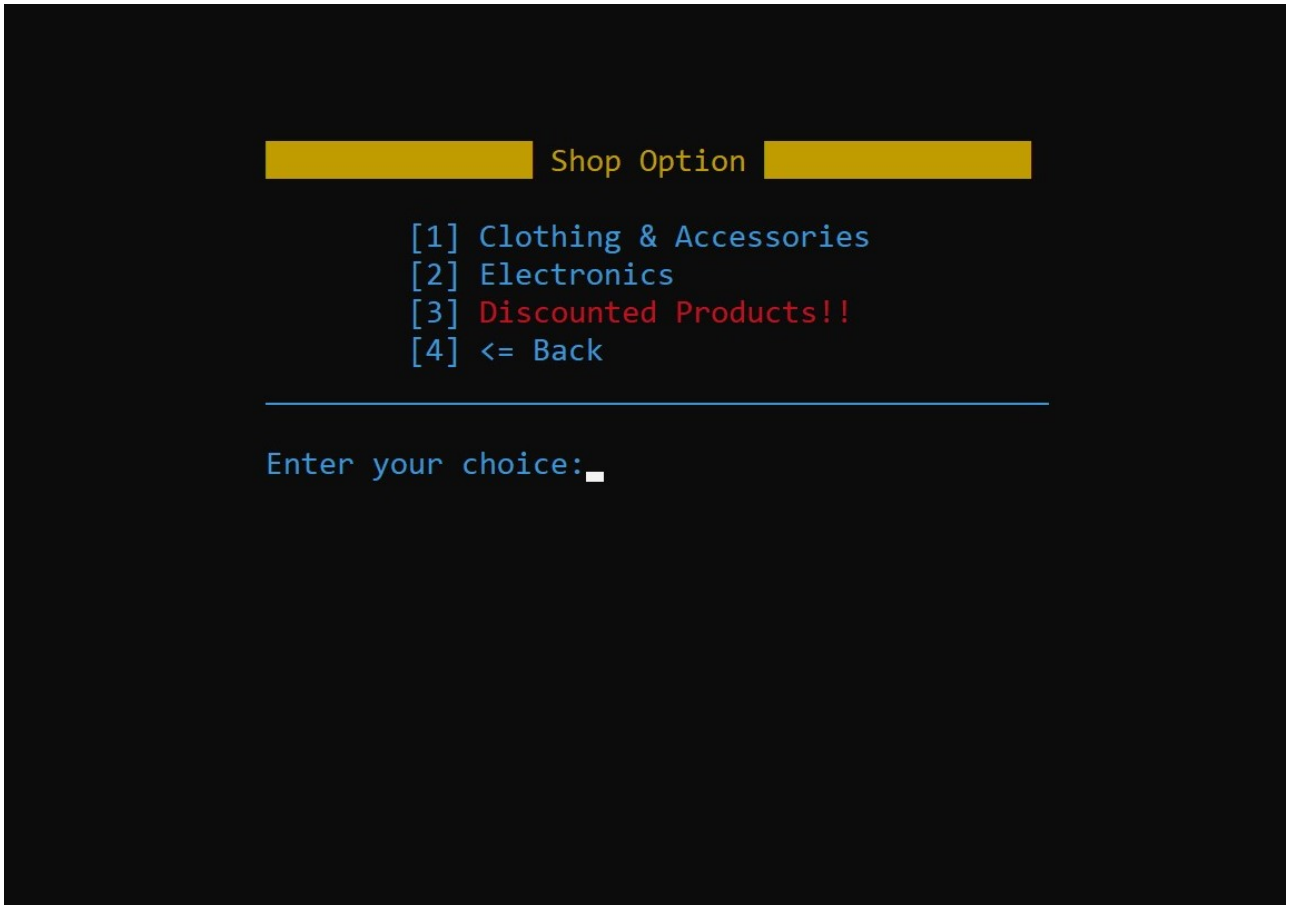


Figure 1.6: Shop Options

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.

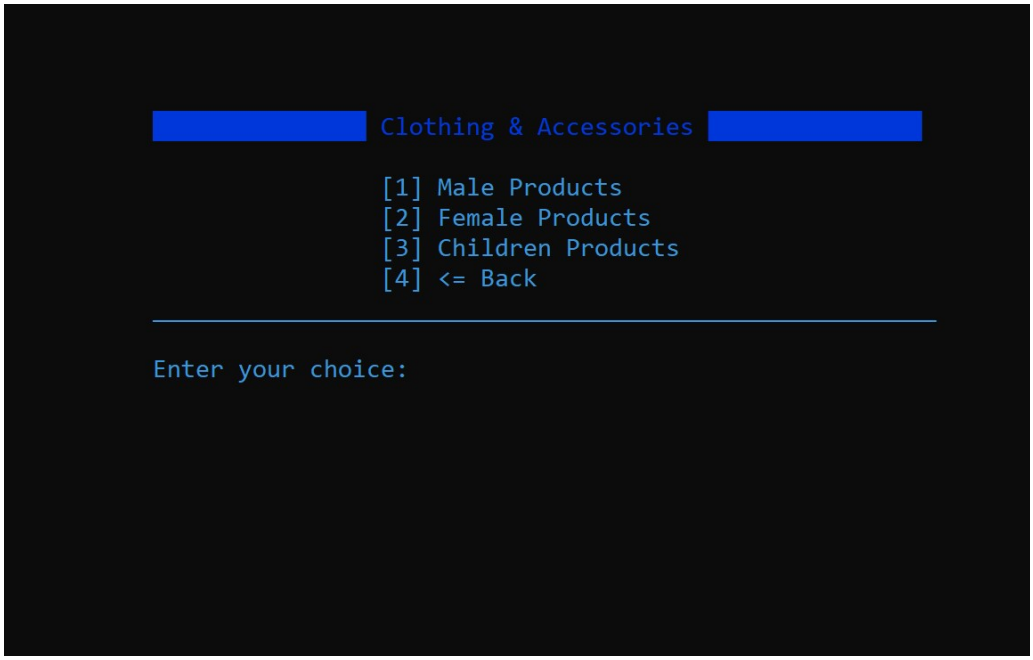


Figure 1.7: Clothing Accessories Options

Figure 1.8: [1] Male Products

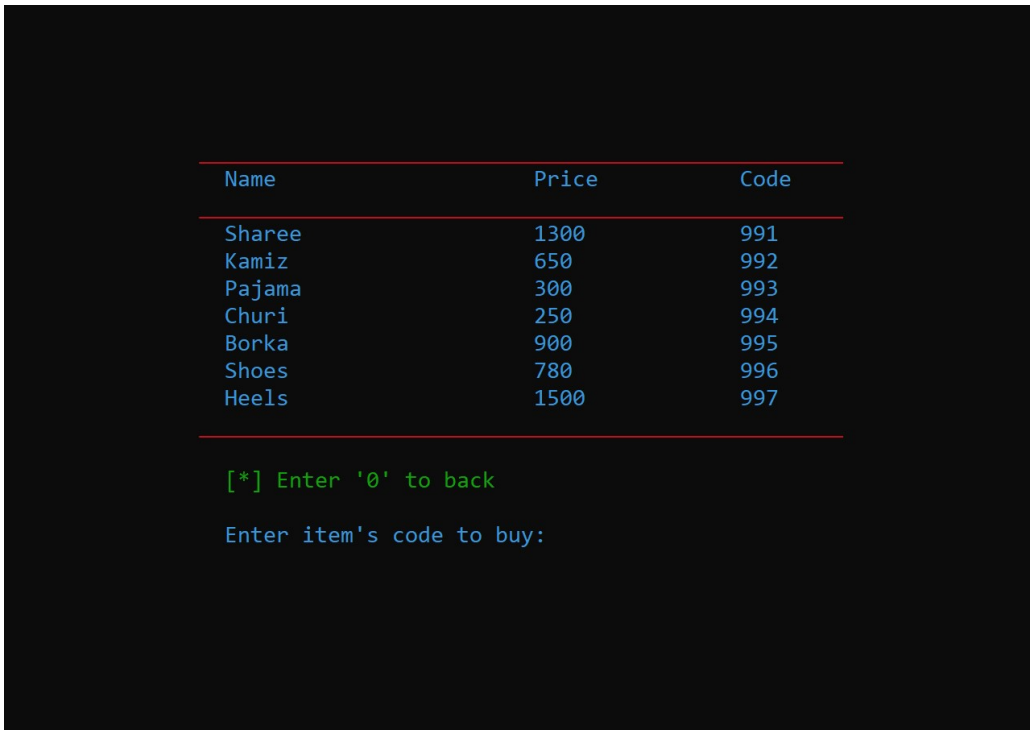


Figure 1.9: [2] Female Products

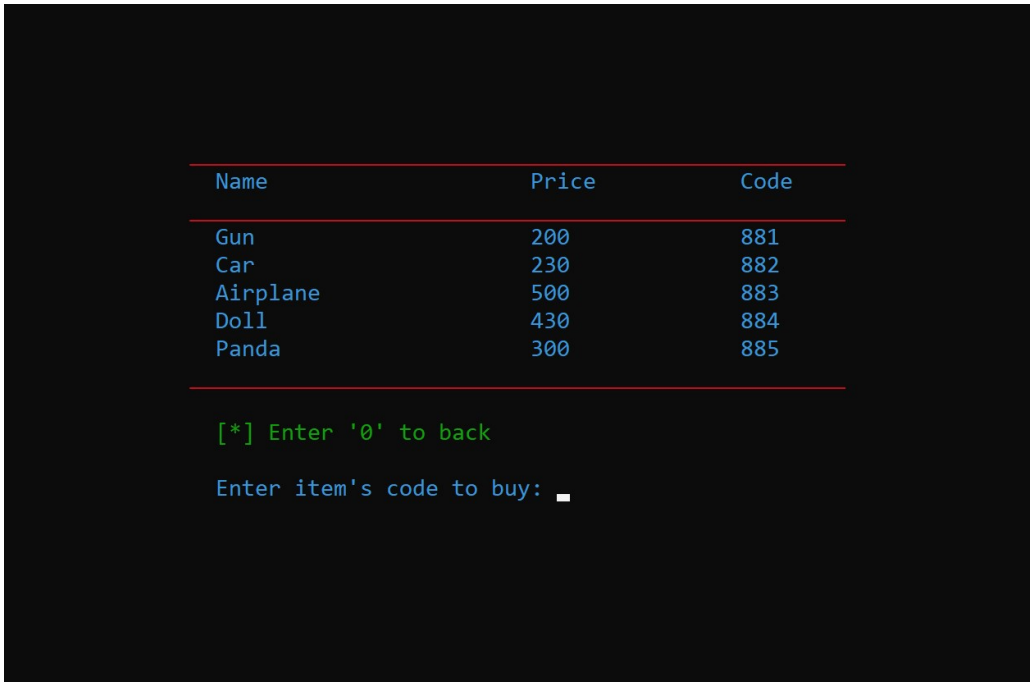


Figure 1.10: [3] Children Products

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.

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.

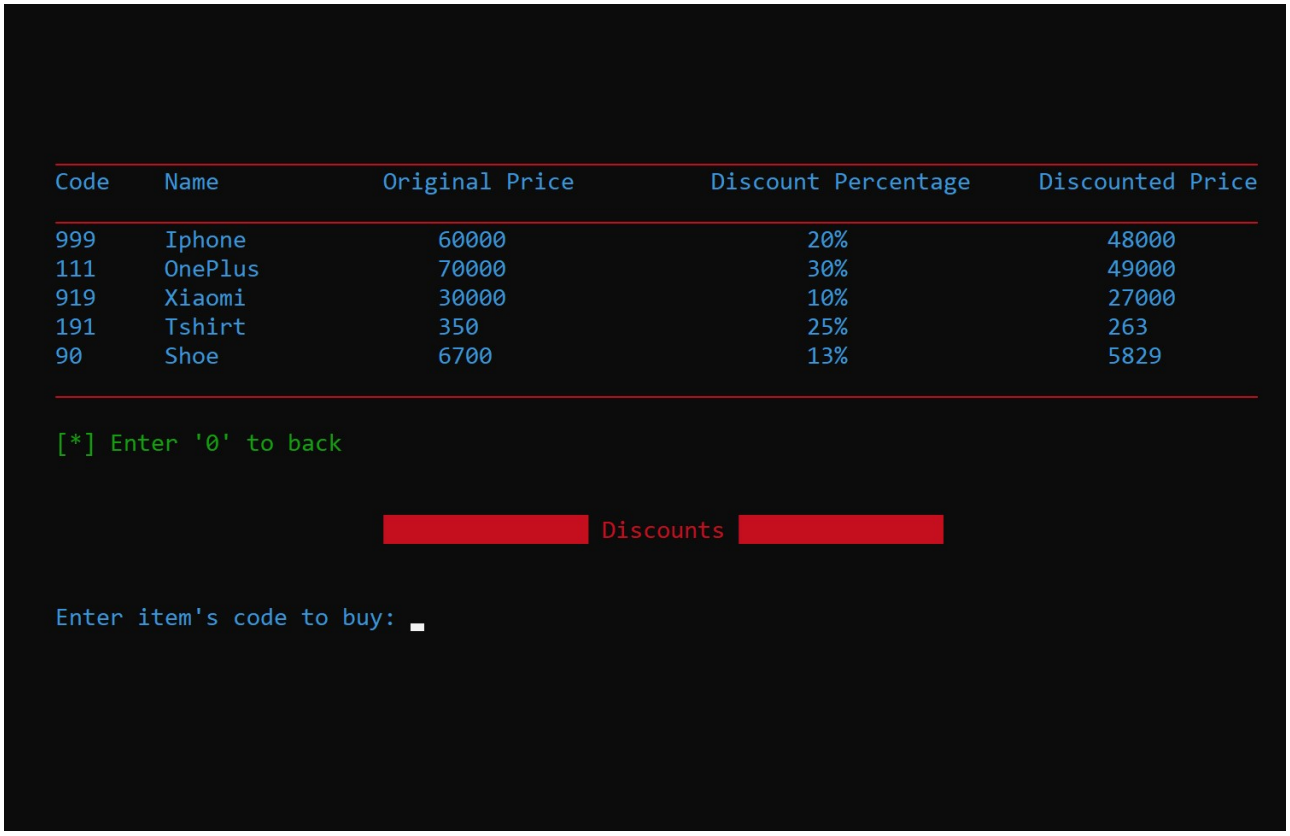


Figure 1.12: Shop Options

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.

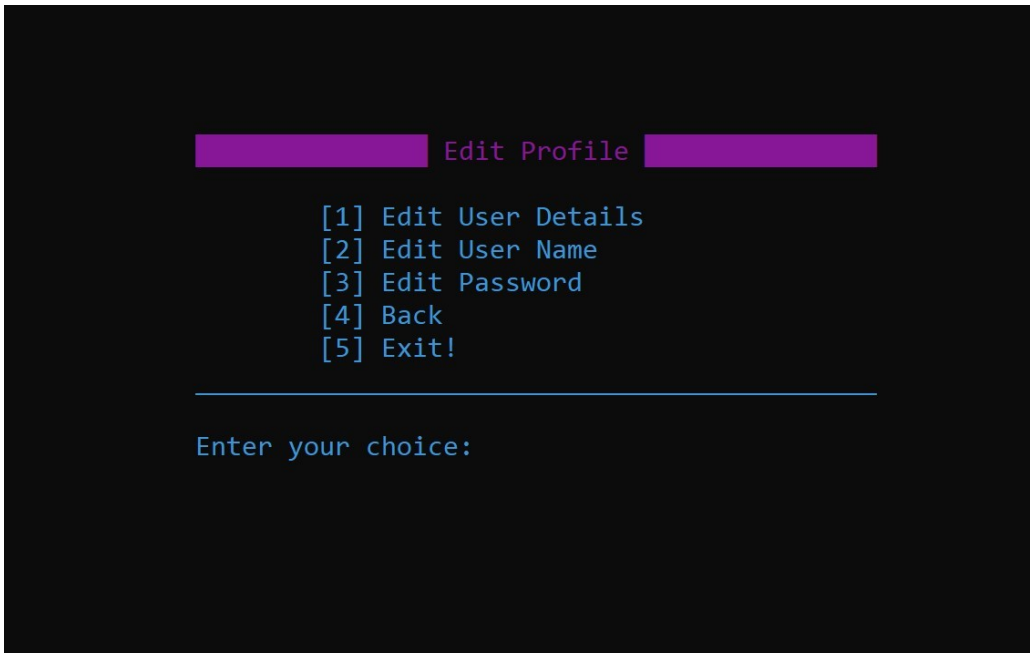


Figure 1.13: Edit Profile Menu

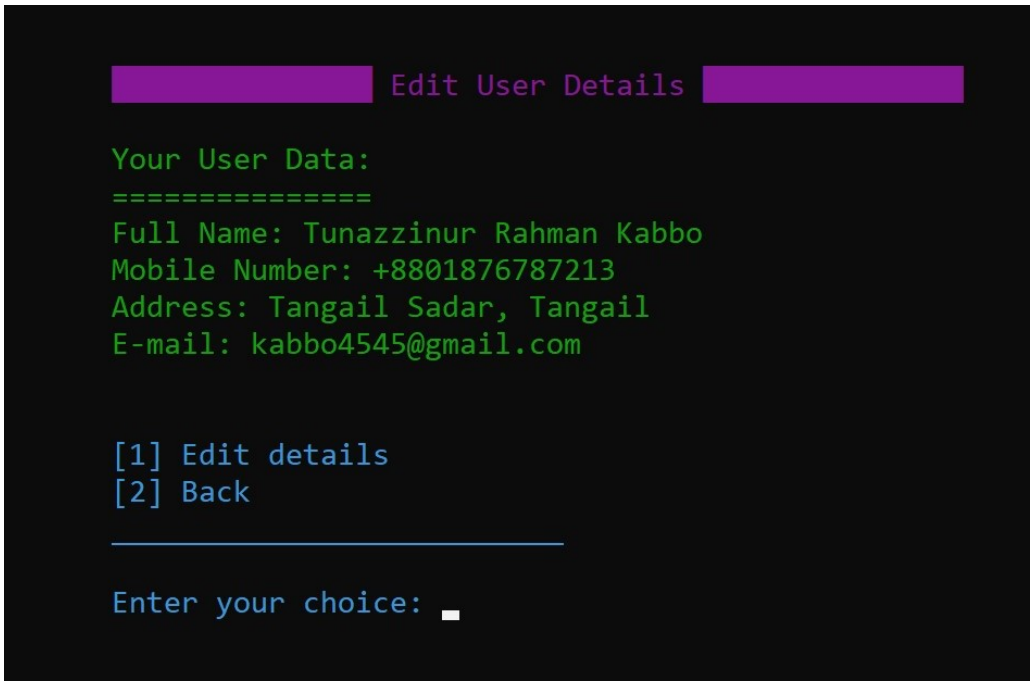


Figure 1.14: Edit User Details Option

Figure 1.15: Edit User Name Option

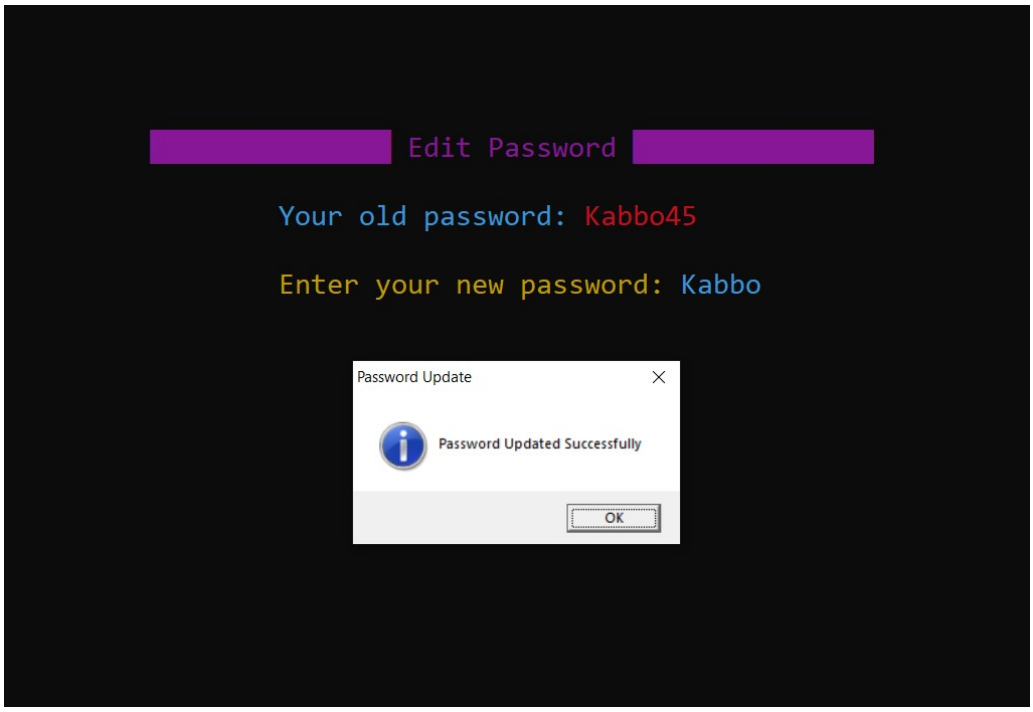


Figure 1.16: Edit Password Option

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.

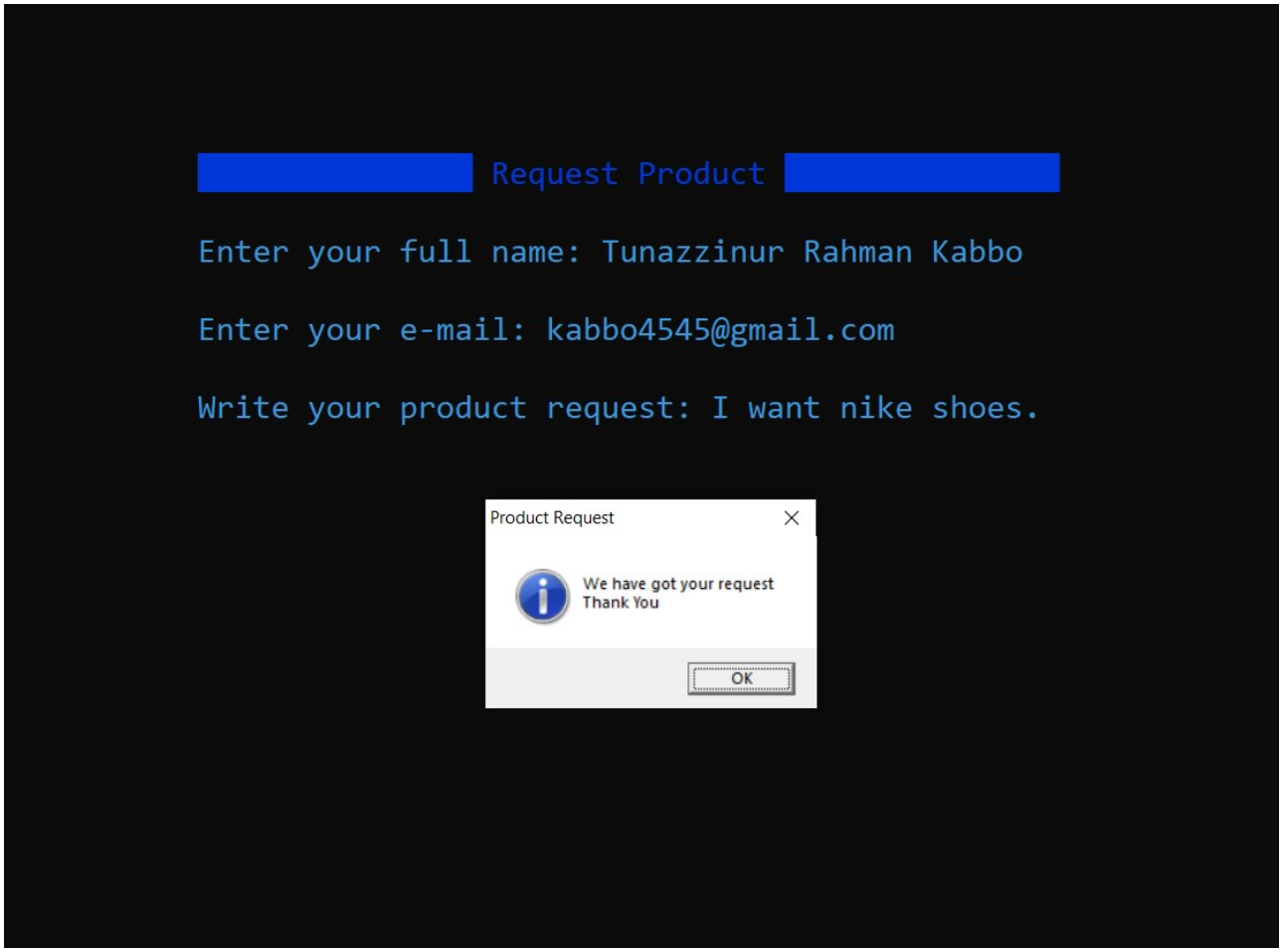
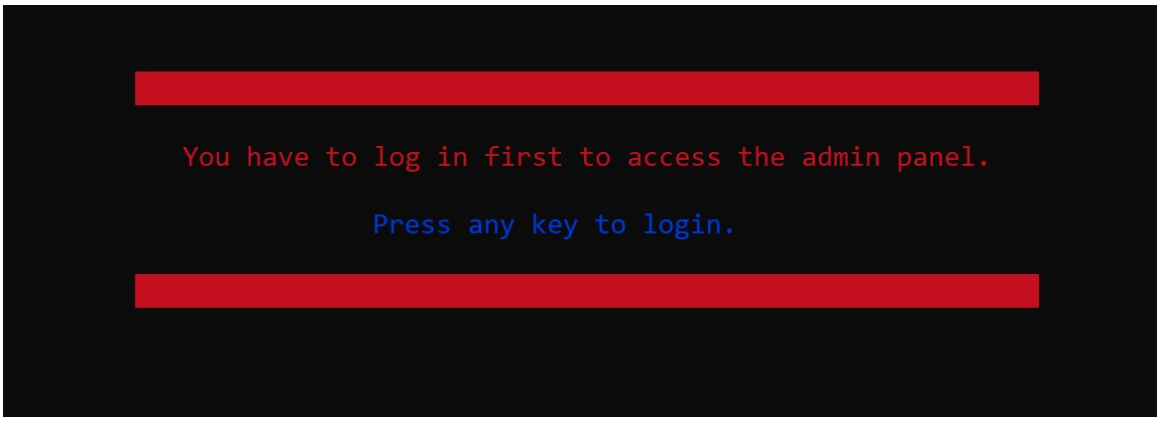


Figure 1.17: Working process of requesting a product

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.



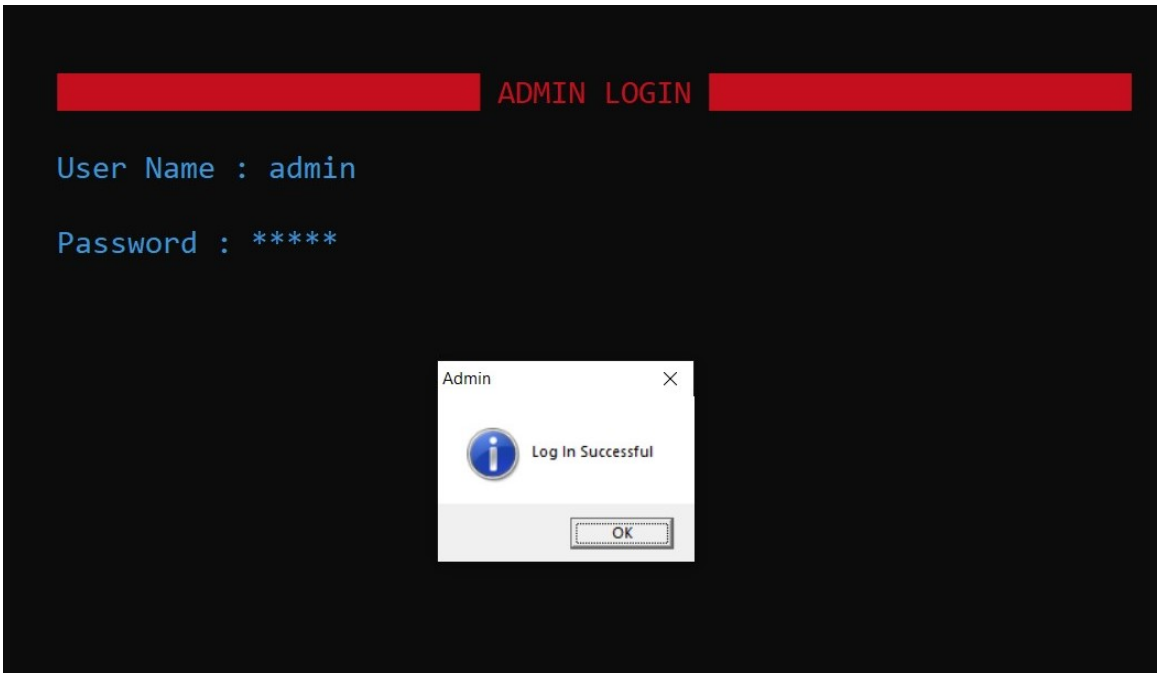


Figure 1.18: Working procedure of Admin Panel Login System

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.

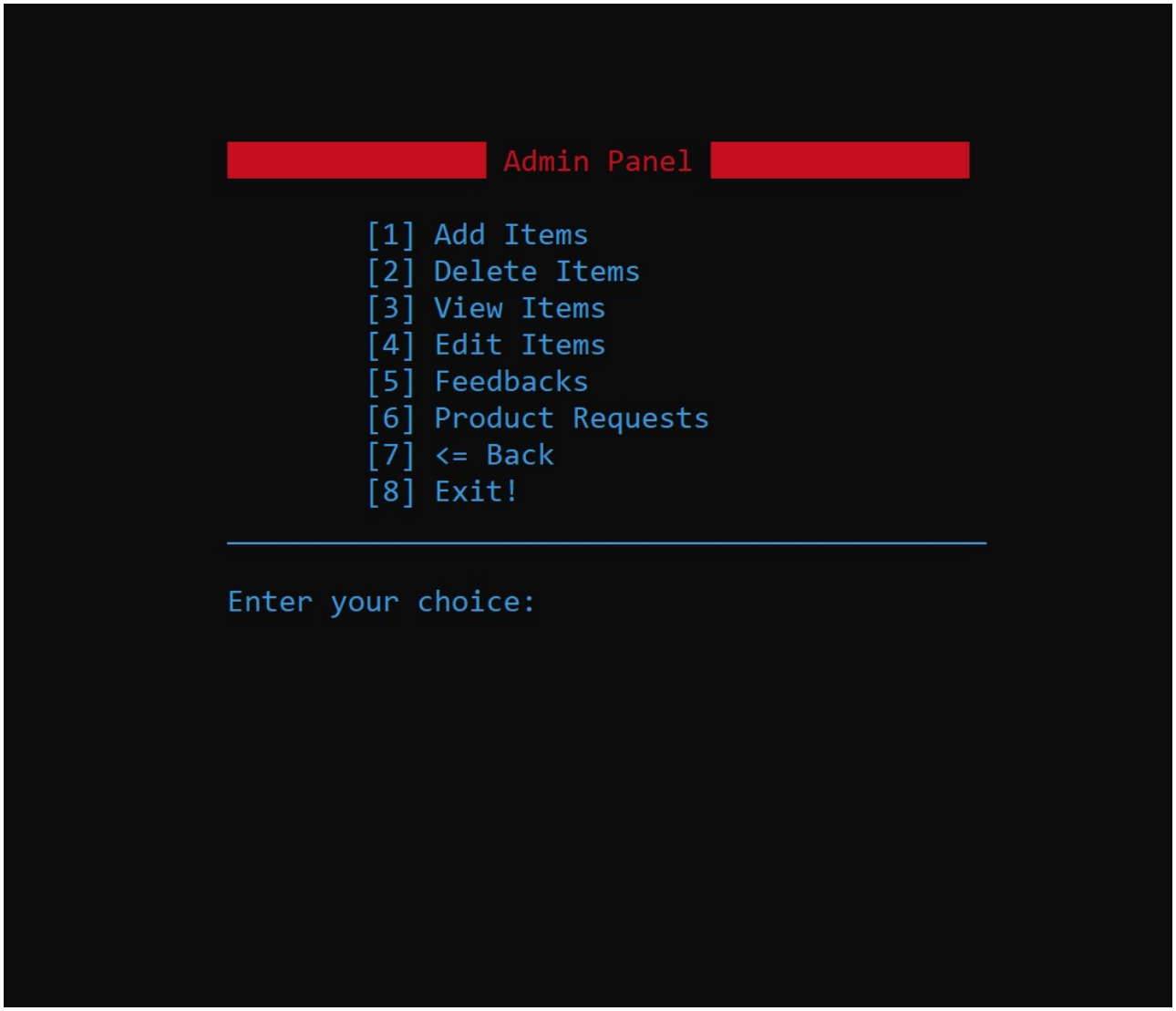


Figure 1.19: Admin Panel Options

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.

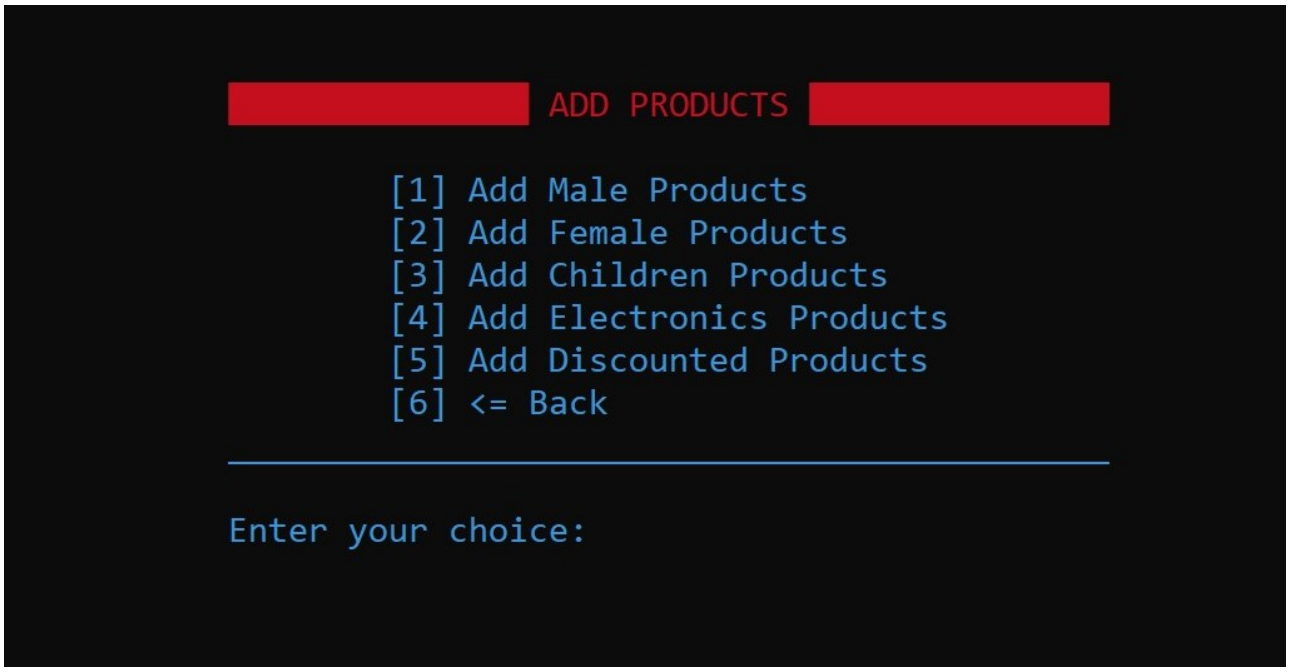


Figure 1.20: Add Products Options

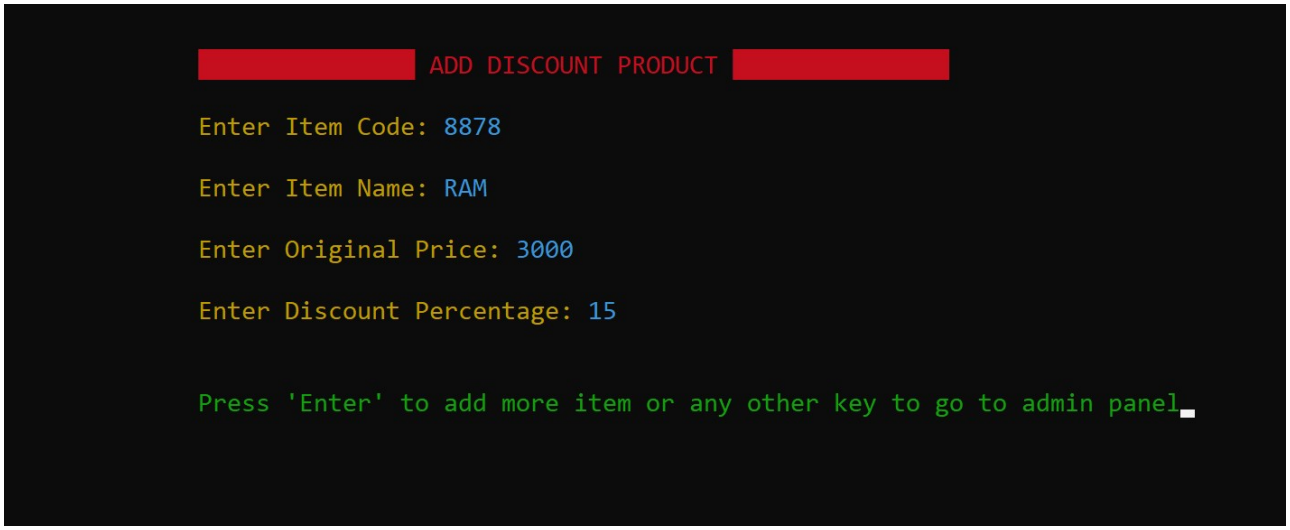


Figure 1.21: Working process of adding a product

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.

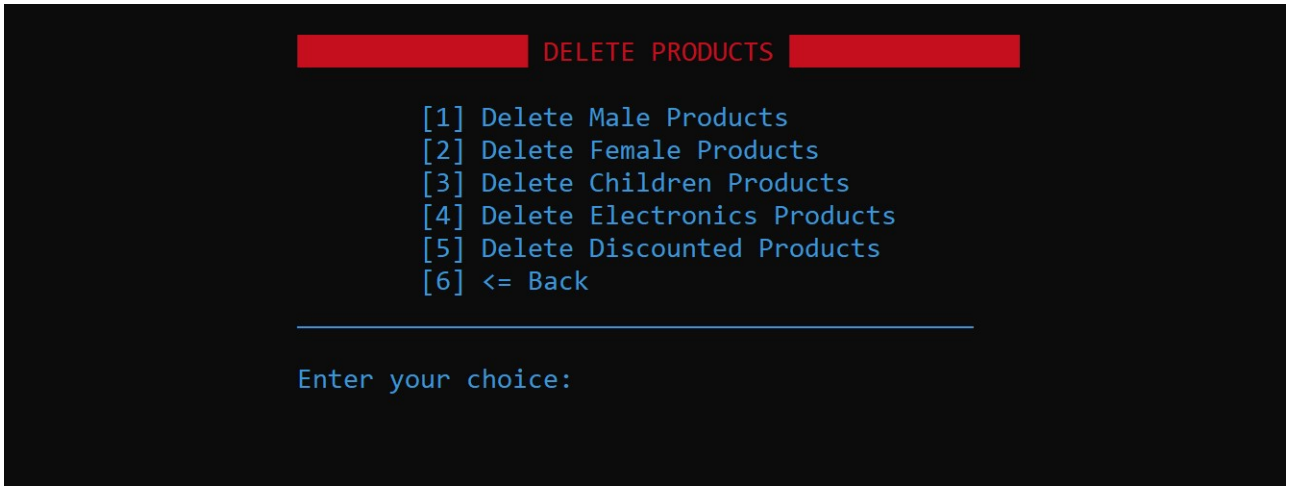


Figure 1.22: Delete Products Options

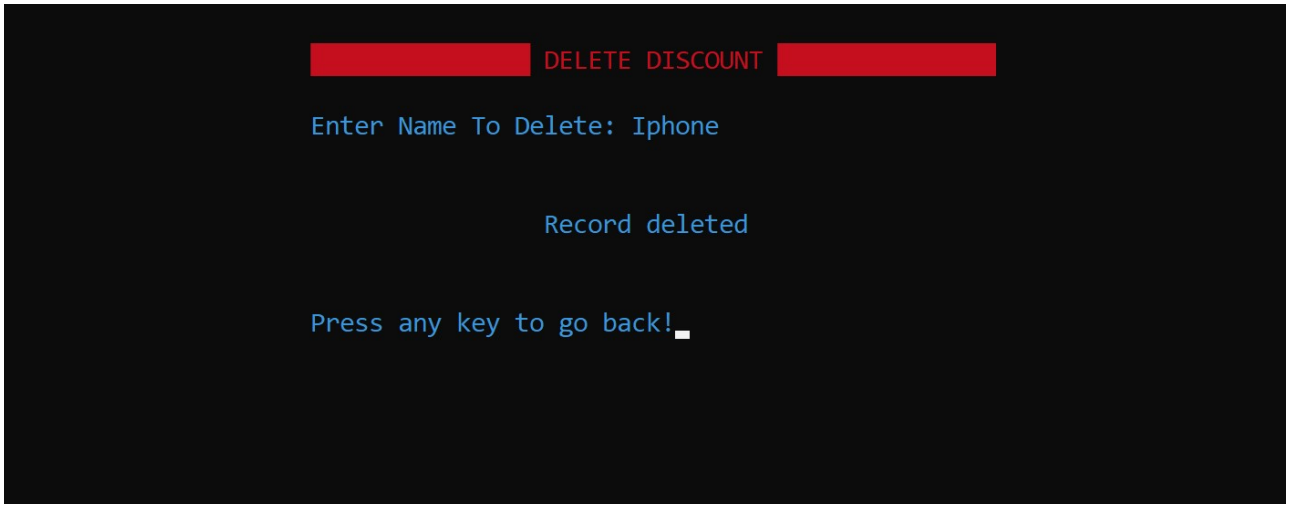


Figure 1.23: Working process of deleting a product

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

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.

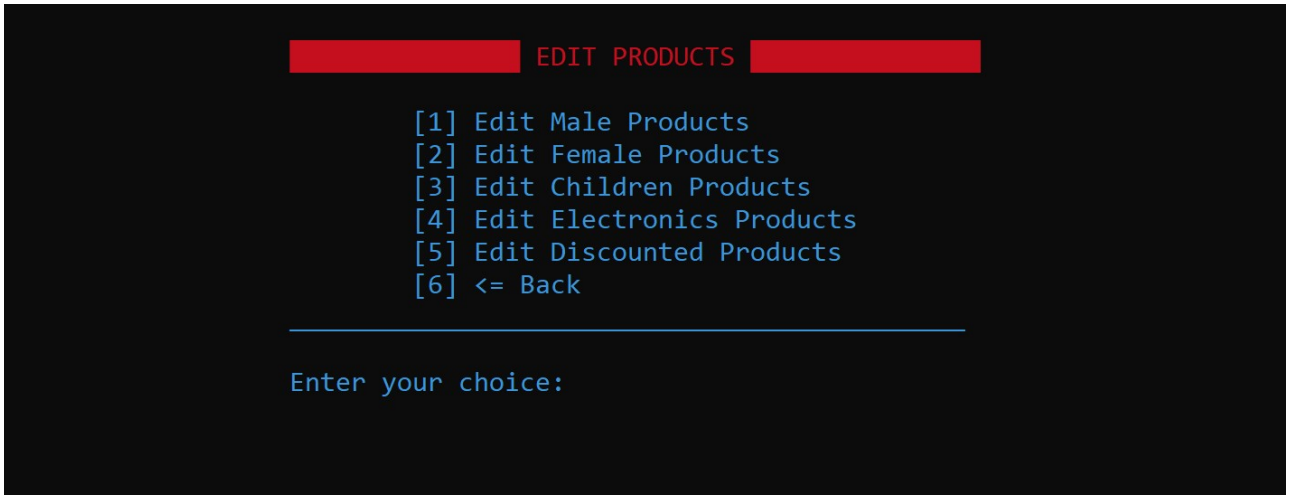


Figure 1.26: Edit Products Options

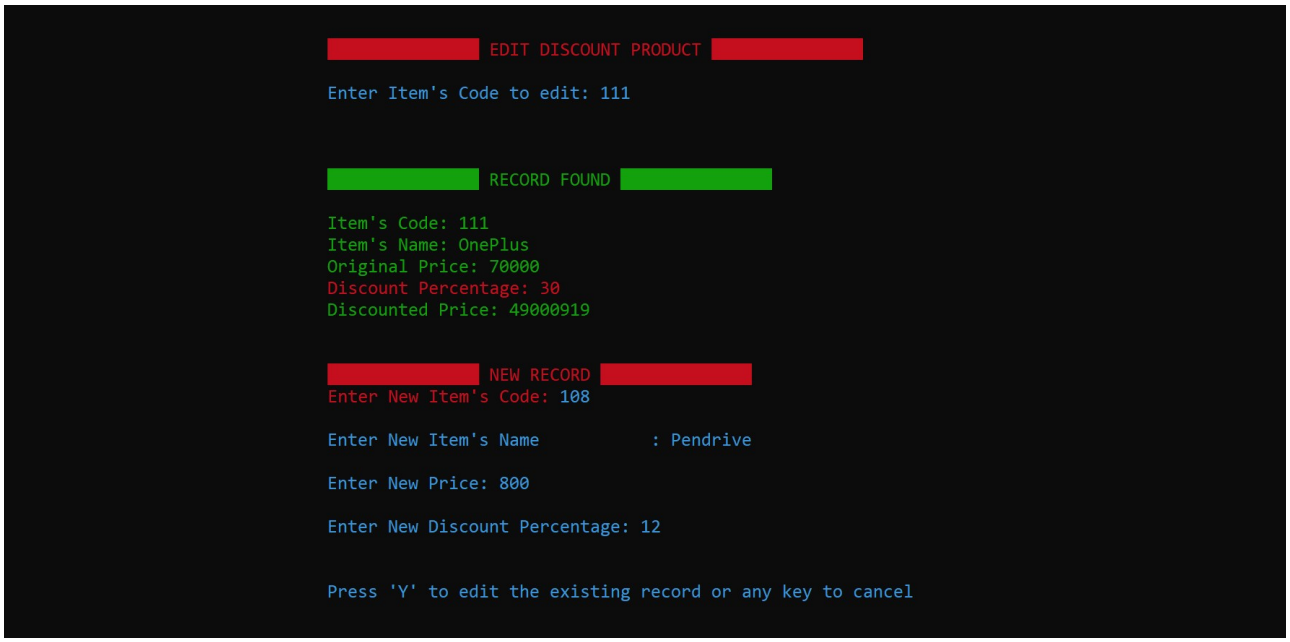


Figure 1.27: Working process of editing a product

Chapter 2

Proposed Model

2.1 Introduction

Nowadays it is very unbearable to go to the shops and markets. A crowd of people inside these made the environment destructive . It is a very time killing process too to buy a product from that crowd. On the other hand people can't get a good deal on their desired product. So, online shops are created to reduce this difficulties. People can now buy a product within some finger taps. Online shops are also giving the best deals available on the market. On the other hand during pandemic, we can't go out to buy products freely. So, online shops play a vital role solving that problem. 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.

Chapter 3

Conclusion and Future Work

3.1 Conclusion

All in all, online shopping is revolutionary medium for purchasing goods from home. By which people will be able to alleviate their time and their sufferings. Thus this shops has many options that is not available in the physical market. Example: Our online multi shop is one of them. Here we added user friendly user panel and admin panel. Both buyers and sellers can use this program without any technical problems. On the other hand we added the top most security system in our program. So, it can be said that online shop is an important secure medium to sell goods from home.

3.2 Future Work

- **Build a secure and fluent shopping service**
- **Reduce difficulties for people**
- **Build a virtual super shop**
- **Deliver goods in a secure fast way**
- **Make this program more efficient and fast**
- **Add more options than before**