Project Report on

"NSU-Mart, An e-commerce project"

Programming Language I Lab

CSE115L

Section: 4

Semester: Spring 2022

North South University

Department of Electrical and Computer Engineering

Submitted By

Aporbo Ghosh 1931458042

Anisha Ashfiya Alamgir 2211044642

Abdullah Al Raiyan 2212712042

Under the guidance of

Fahimul Hoque Shubho

Lab Instructor

Introduction

NSU-mart is a program-based demo E-commerce application. This application will designed for the NSUERs. They can use this to buy any kind of academic product. Our project will be based on the application for a shop where two types of users, one for admin and another for the customer, can log in. Logging into the admin account will have different options from the customer account. The admin account can access critical information about the application, while the customer can only view and select items from a catalog.

The program has:
- A login system
- Append system
- Delete system
- Display records
- Search system
- Modify current records

Motivation

The motivation of NSU-Mart project is To make The nsu book store more efficient and effective. To provide a user friendly environment where user can be serviced better. make functioning of book store faster. to provide a system where the book store staff can catch defaulters and not let them escape. notify the university students about branding advertisding proceedings. Also To minimize the loss of books.

Features of the program

The program consists of 2 user types:

1) Admin
2) Customer

Admin:

Logging in from the admin account will give the user to change, delete, modify, and add new items to the catalog of books while viewing all the current items and the ability to search individual items by using their code.

Customer:

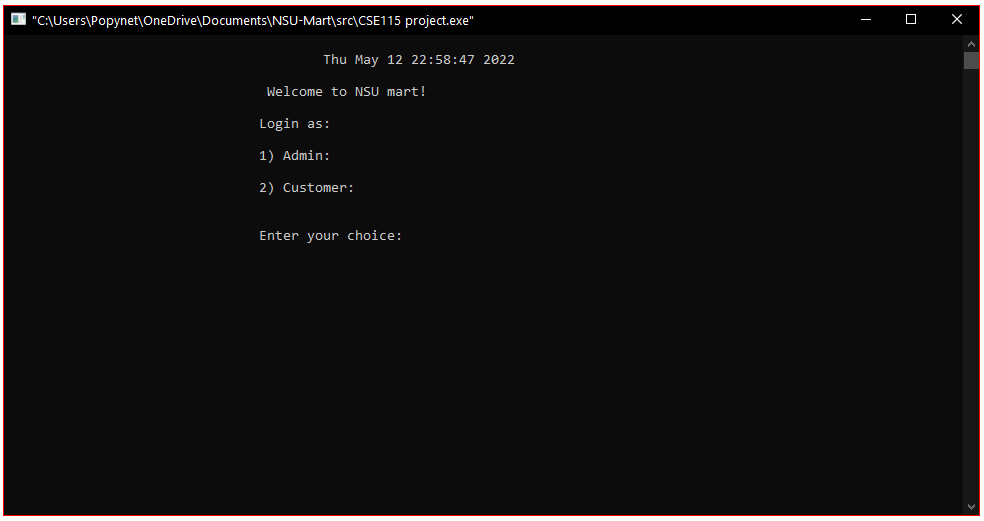
Logging in from the customer account allow the user to view existing items and search for a specific item using the item codeand calculate the price of the desired number of items.

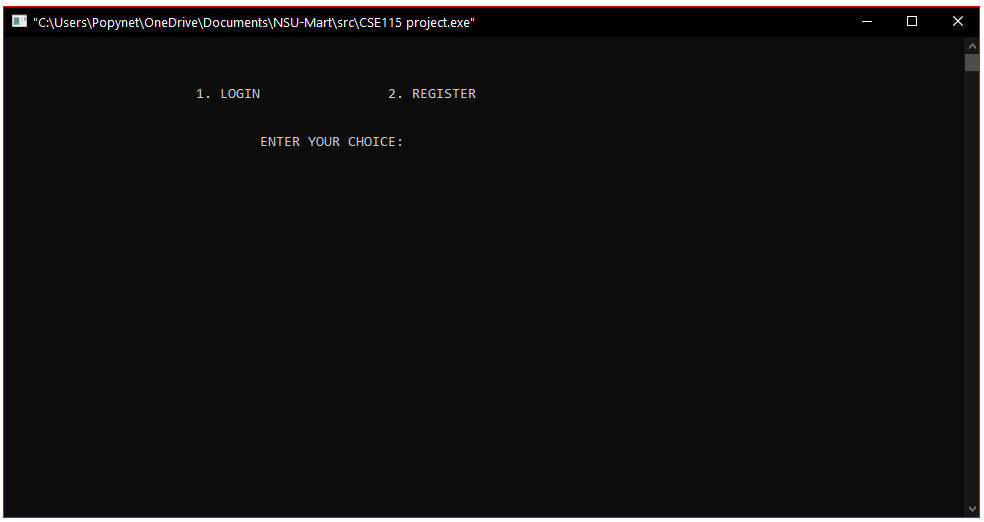
C programming concepts used in the program:

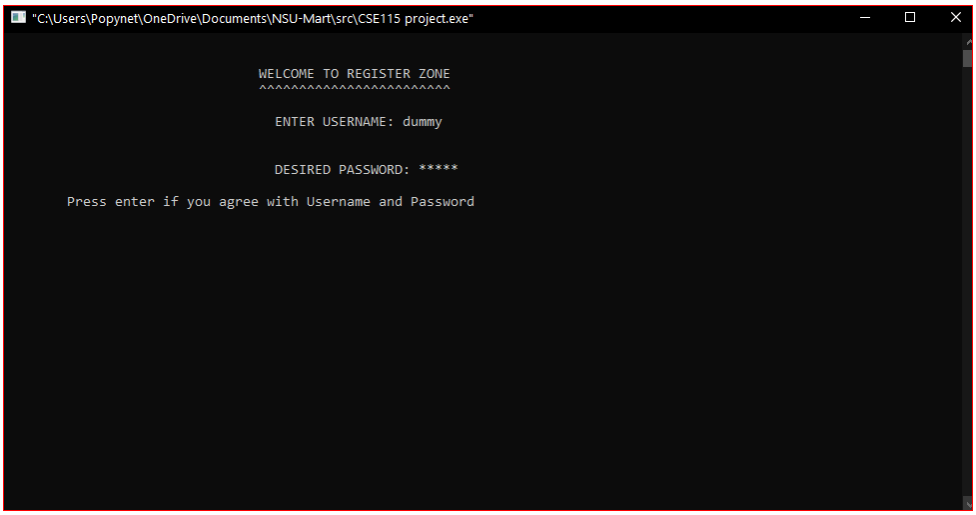
- String
- Array
- Structure
- Functions
- Files
- For loop
- While loop
- If else conditions
- Switch conditions

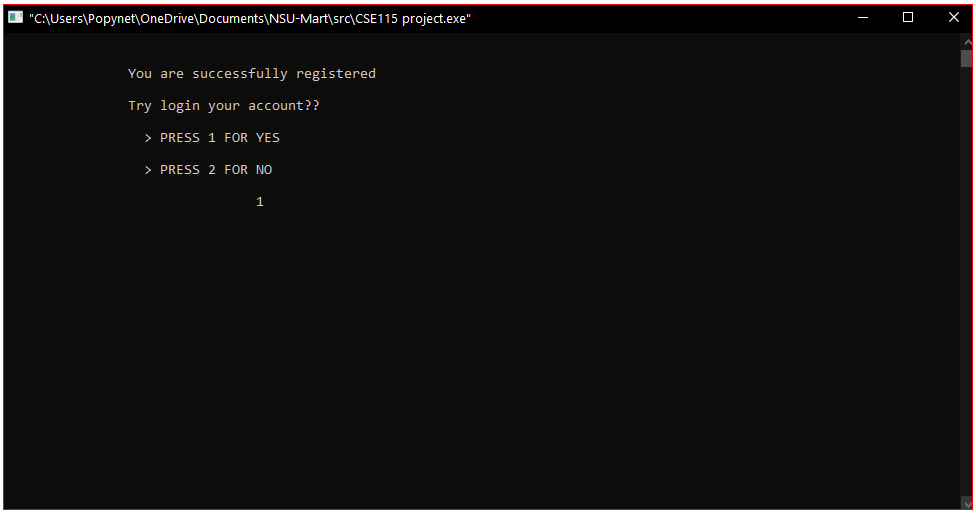
Snapshots

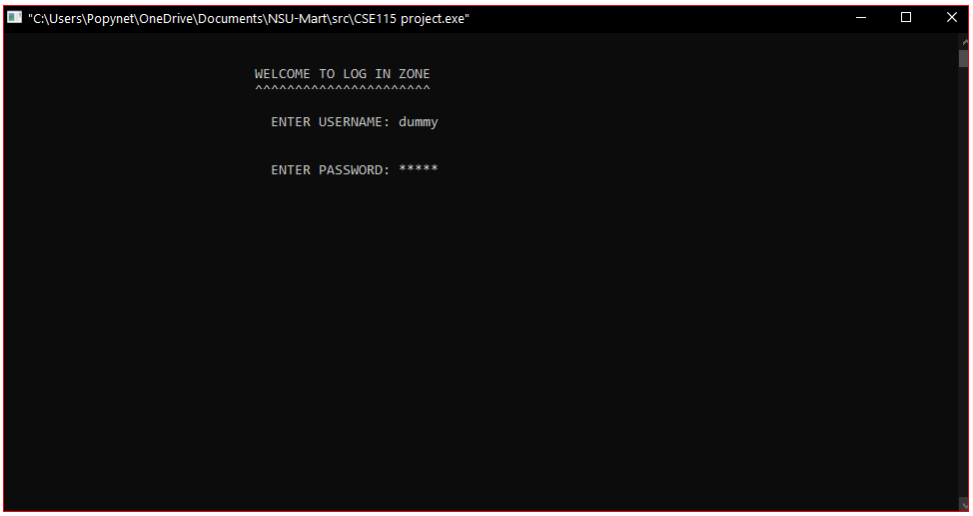
Customer View snaps:



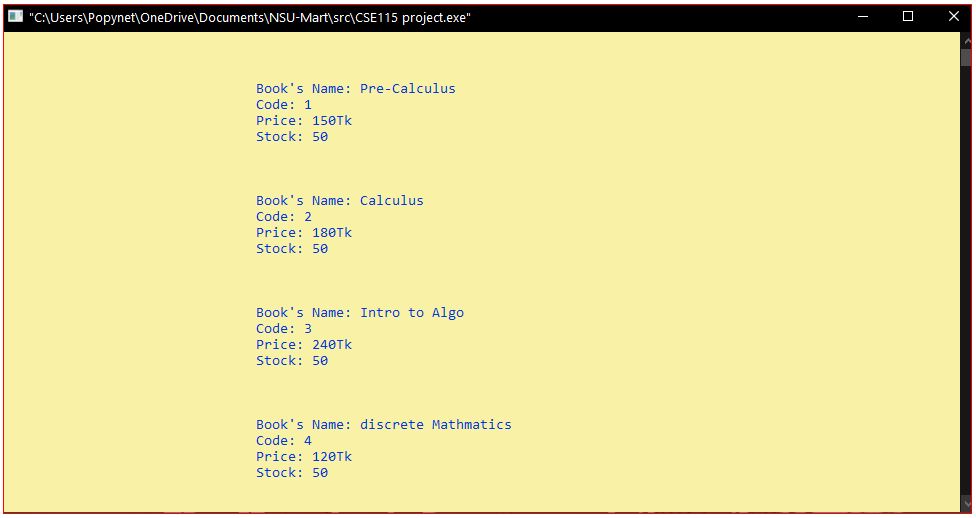


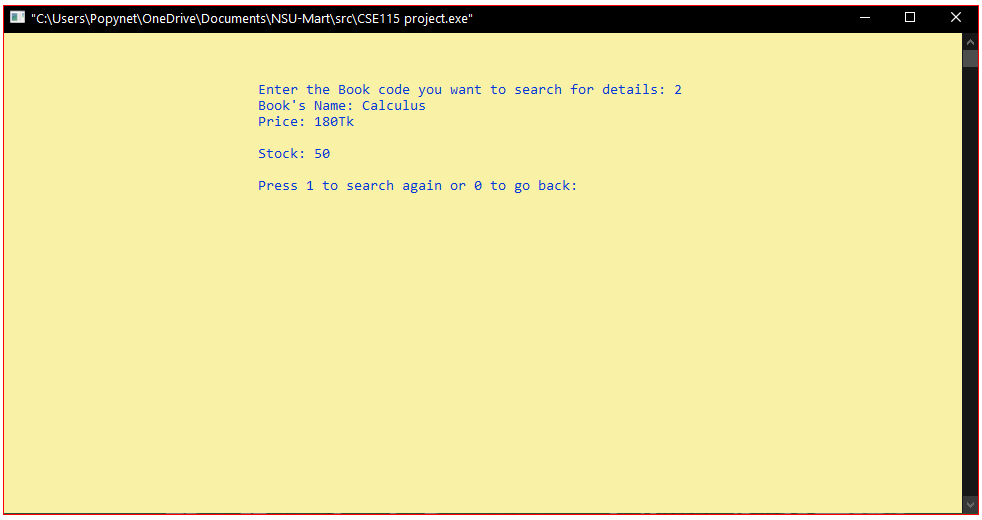

"C:\Users\Popynet\OneDrive\Documents\NSU-Mart\src\CSE115 project.exe"
WELCOME TO REGISTER ZONE
ENTER USERNAME: dummy
DESIRED PASSWORD: *****
Press enter if you agree with Username and Password

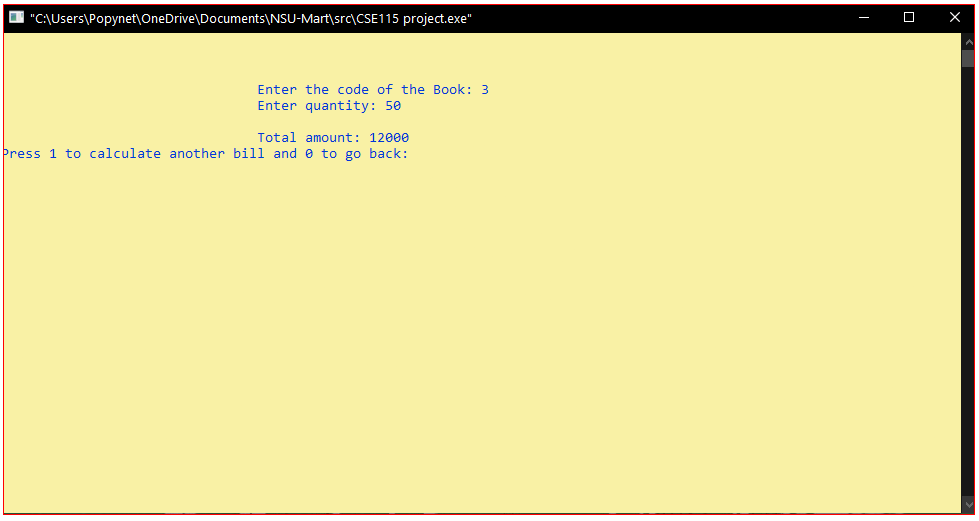

"C:\Users\Popynet\OneDrive\Documents\NSU-Mart\src\CSE115 project.exe"
You are successfully registered
Try login your account??
> PRESS 1 FOR YES
> PRESS 2 FOR NO
1


"C:\Users\Popynet\OneDrive\Documents\NSU-Mart\src\CSE115 project.exe"
WELCOME TO LOG IN ZONE
ENTER USERNAME: dummy
ENTER PASSWORD: *****

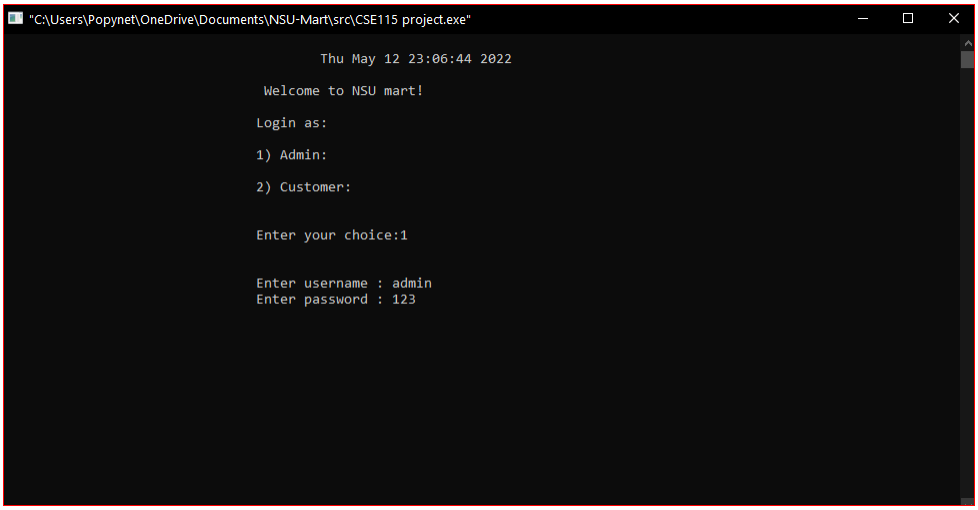
"C:\Users\Popynet\OneDrive\Documents\NSU-Mart\src\CSE115 project.exe"
Thu May 12 23:02:57 2022
****
WELCOME TO THE MAIN MENU OF NSU MART!
****
YOU ARE LOGGED IN AS A CUSTOMER
|1.View Books in stock |
|2.Search Book in stock |
|3.Calculate Bill |
|0.To Exit Press 0 |
Enter your choice: 1

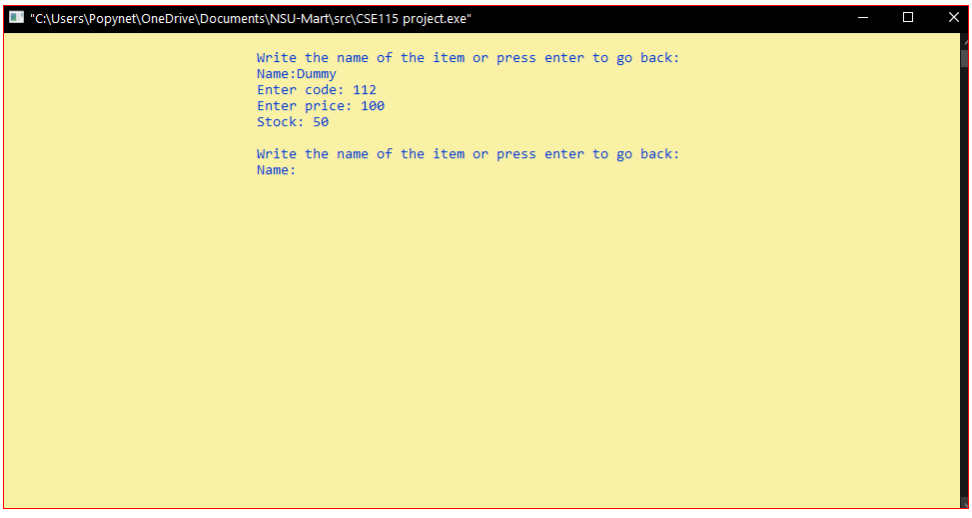

"C:\Users\Popynet\OneDrive\Documents\NSU-Mart\src\CSE115 project.exe"
Book's Name: Pre-Calculus
Code: 1
Price: 150Tk
Stock: 50
Book's Name: Calculus
Code: 2
Price: 180Tk
Stock: 50
Book's Name: Intro to Algo
Code: 3
Price: 240Tk
Stock: 50
Book's Name: discrete Mathmatics
Code: 4
Price: 120Tk
Stock: 50

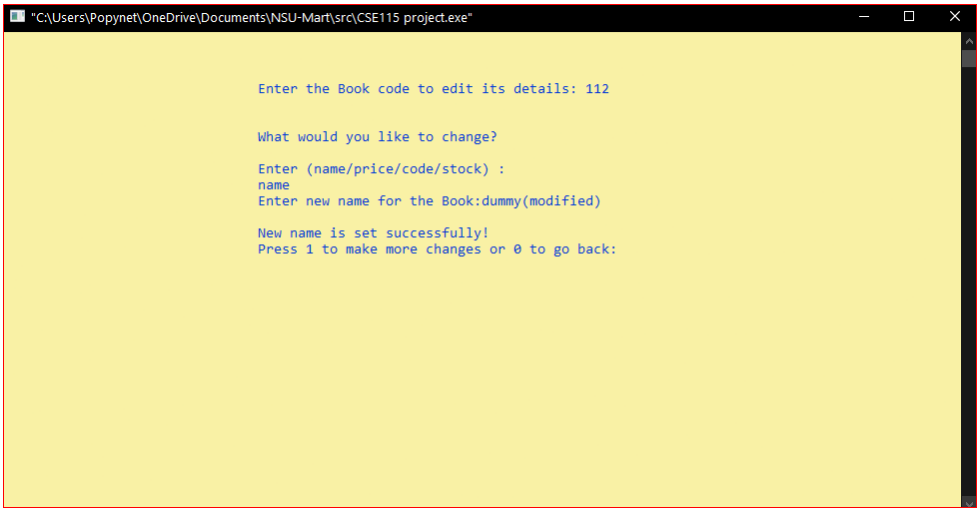

"C:\Users\Popynet\OneDrive\Documents\NSU-Mart\src\CSE115 project.exe"
Enter the Book code you want to search for details: 2
Book's Name: Calculus
Price: 180Tk
Stock: 50
Press 1 to search again or 0 to go back:

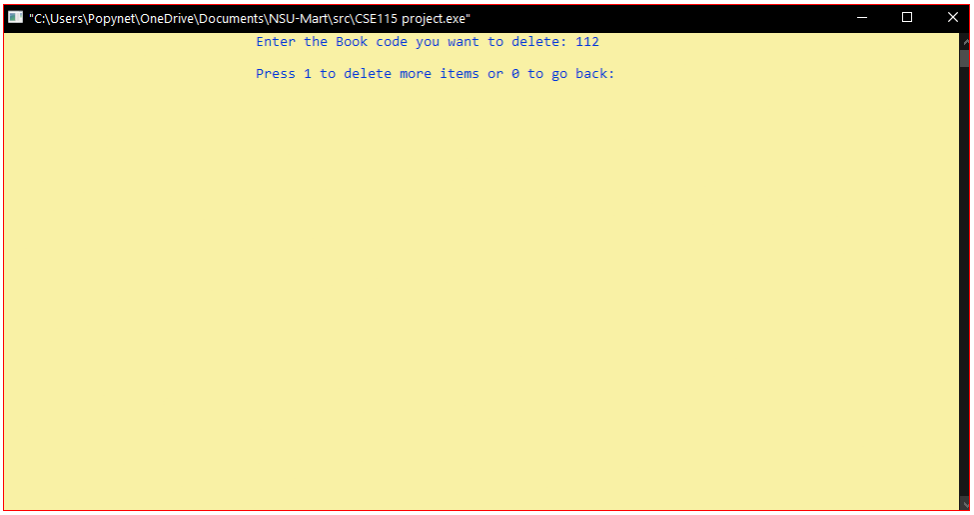

"C:\Users\Popynet\OneDrive\Documents\NSU-Mart\src\CSE115 project.exe"
Enter the code of the Book: 3
Enter quantity: 50
Total amount: 12000
Press 1 to calculate another bill and 0 to go back:

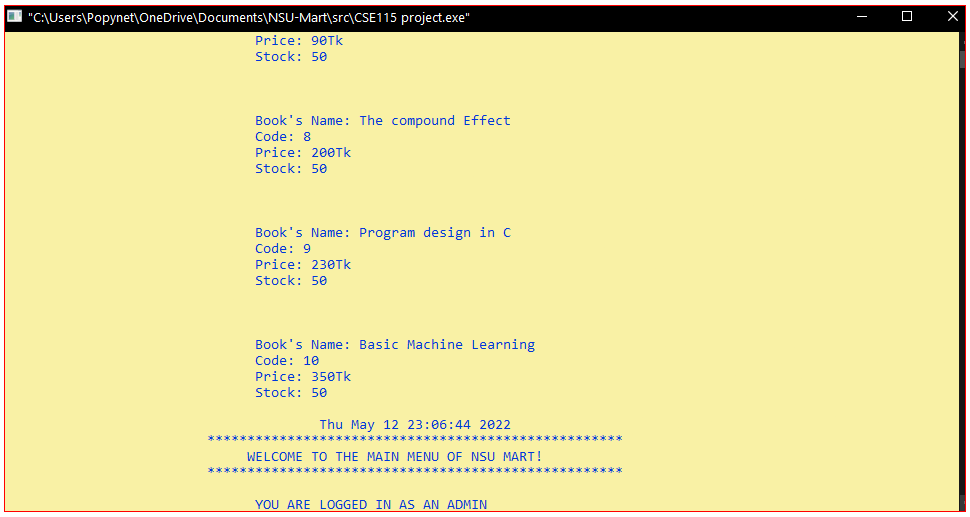
Admin View Snaps:

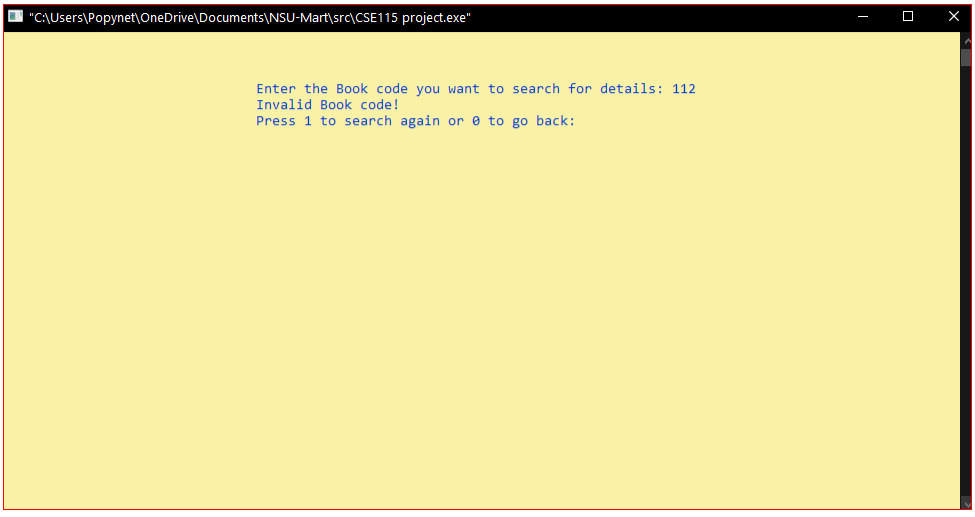





"C:\Users\Popynet\OneDrive\Documents\NSU-Mart\src\CSE115 project.exe"
Enter the Book code to edit its details: 112
What would you like to change?
Enter (name/price/code/stock) :
name
Enter new name for the Book:dummy(modified)
New name is set successfully!
Press 1 to make more changes or 0 to go back:


"C:\Users\Popynet\OneDrive\Documents\NSU-Mart\src\CSE115 project.exe"
Enter the Book code you want to delete: 112
Press 1 to delete more items or 0 to go back:


"C:\Users\Popynet\OneDrive\Documents\NSU-Mart\src\CSE115 project.exe"
Price: 90Tk
Stock: 50
Book's Name: The compound Effect
Code: 8
Price: 200Tk
Stock: 50
Book's Name: Program design in C
Code: 9
Price: 230Tk
Stock: 50
Book's Name: Basic Machine Learning
Code: 10
Price: 350Tk
Stock: 50
Thu May 12 23:06:44 2022
WELCOME TO THE MAIN MENU OF NSU MART!
YOU ARE LOGGED IN AS AN ADMIN


"C:\Users\Popynet\OneDrive\Documents\NSU-Mart\src\CSE115 project.exe"
Enter the Book code you want to search for details: 112
Invalid Book code!
Press 1 to search again or 0 to go back:

Conclusion

Our goal was to create a program where there will be a login system, the ability for users to delete, add, modify and view items in stock, while also showcasing our knowledge about C programming.

Limitations of the program:

- Lack of a system for new users to register a new account
- No receipt system for customers.
- Customers cannot calculate the price for different items