

File Structure Project

Software used: Ubuntu terminal

Book Store Management System

Abstract:

Book store management system is the computerize application to automate all kinds of activity in a book store. The main aim is to manage the books in the book store. It offers simple and convenient features to users like adding book records, showing book records, modifying book records, search for the book and deleting book records.

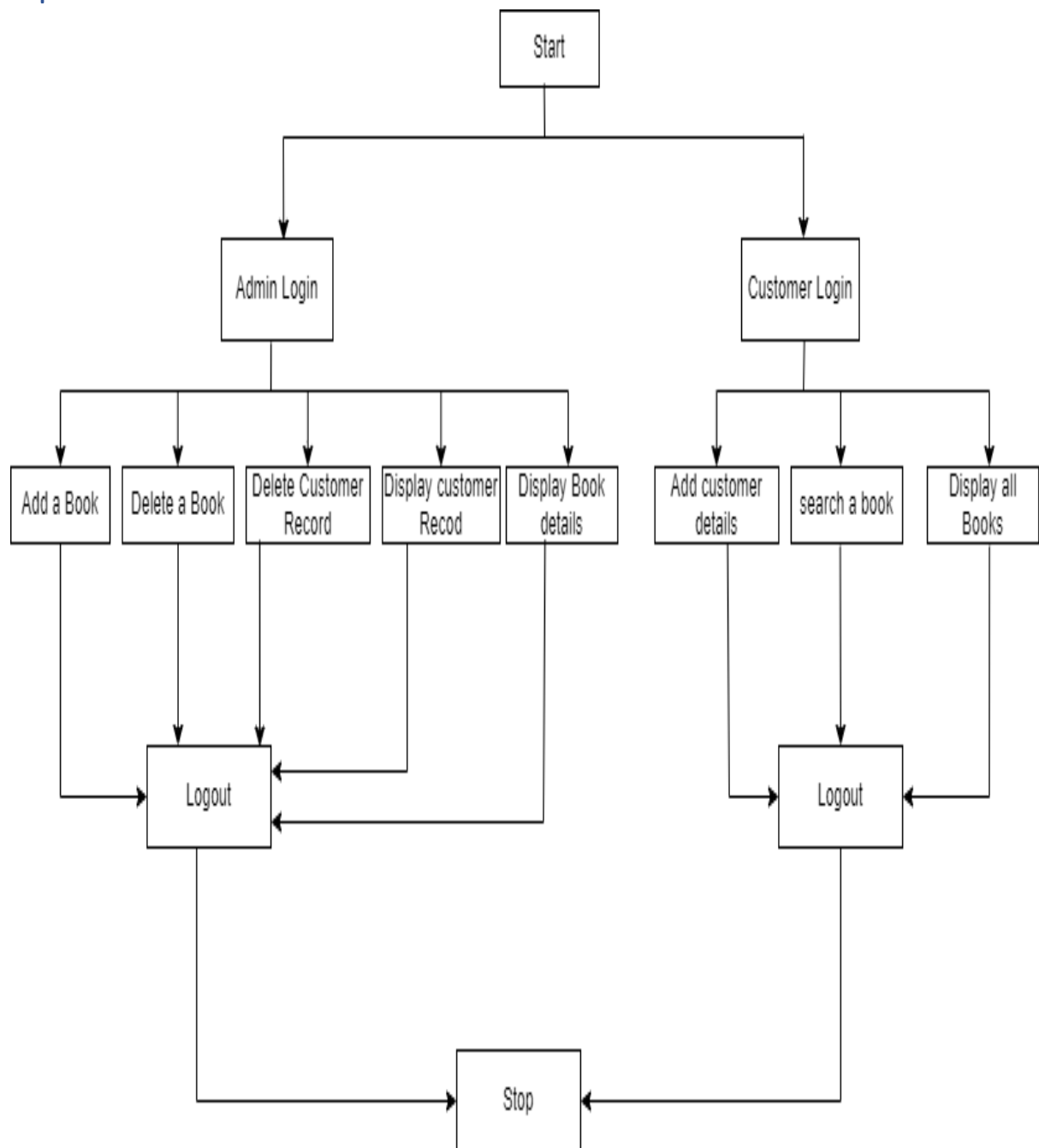
Add Book Records: This feature allows users to add a new book to bookstore management system application. Information such as book id, name of the book, name of the author, name of the publisher and cost of the book.

Show Book Records: The add book records can be listed with this feature along with the author's name, book id, publisher name and the cost of the book added.

Modify Book Records: You can modify the information provided while adding a new book. You can edit the book's name, author's name, publisher's name and price of the book. All modified data are then stored in file.

Delete Book Records: To delete book from the file, this feature is used. For this the book name should be provided, and a confirmation from the user is asked before deleting the book record.

Implementation:



Sample Output:

```
sanjana@Sanjana: ~  
sanjana@Sanjana:~$ gedit fsfinal.cpp  
sanjana@Sanjana:~$ g++ fsfinal.cpp  
sanjana@Sanjana:~$ ./a.out  
===== Bookstore Management System =====  
1. Admin Menu  
2. Customer Login  
3. Exit  
Enter your choice (1-3):
```

```
sanjana@Sanjana: ~  
sanjana@Sanjana:~$ gedit fsfinal.cpp  
sanjana@Sanjana:~$ g++ fsfinal.cpp  
sanjana@Sanjana:~$ ./a.out  
===== Bookstore Management System =====  
1. Admin Menu  
2. Customer Login  
3. Exit  
Enter your choice (1-3): 1  
  
===== Admin Menu =====  
1. Add Book  
2. Retrieve Book Details  
3. Display All Books  
4. Delete Book  
5. Update Book  
6. Display All Customer Details  
7. Exit  
Enter your choice (1-7):
```

```
sanjana@Sanjana: ~  
2. Retrieve Book Details  
3. Display All Books  
4. Delete Book  
5. Update Book  
6. Display All Customer Details  
7. Exit  
Enter your choice (1-7): 1  
  
Enter book details:  
Name: harrypotter  
Author: jkrowling  
Publisher: bloomsburry  
Cost: 349  
Quantity: 5  
  
Book added successfully!  
  
===== Admin Menu =====  
1. Add Book  
2. Retrieve Book Details  
3. Display All Books  
4. Delete Book  
5. Update Book  
6. Display All Customer Details  
7. Exit  
Enter your choice (1-7):
```

```
1. Add Book
2. Retrieve Book Details
3. Display All Books
4. Delete Book
5. Update Book
6. Display All Customer Details
7. Exit
Enter your choice (1-7): 5

Enter the book name you want to update: harrypotter
Enter updated book details:
Name: harrypotter
Author: jkrowling
Publisher: bloomsburry
Cost: 567
Quantity: 5

Book updated successfully!

===== Admin Menu =====
```

```
*** All Book Details ***

*** Book Details ***
Name: harrypotter
Author: jkrowling
Publisher: bloomsburry
Cost: 349
Quantity: 5

*** Book Details ***
Name: famousfive
Author: enidblyton
Publisher: Hodder
Cost: 564
Quantity: 7

===== Admin Menu =====
1. Add Book
2. Retrieve Book Details
3. Display All Books
4. Delete Book
5. Update Book
6. Display All Customer Details
7. Exit
Enter your choice (1-7):
```

```
Contact: 876954311
Book Name: harrypotter
Cost: 349
Quantity: 3

===== Admin Menu =====
1. Add Book
2. Retrieve Book Details
3. Display All Books
4. Delete Book
5. Update Book
6. Display All Customer Details
7. Exit
Enter your choice (1-7): 4

Enter the book name you want to delete: famousfive

Book deleted successfully!

===== Admin Menu =====
1. Add Book
2. Retrieve Book Details
3. Display All Books
4. Delete Book
5. Update Book
6. Display All Customer Details
7. Exit
Enter your choice (1-7):
```

Conculsion:

In conclusion, the Book Store Management System is a valuable tool that streamlines the management of a bookstore's operations. By effectively managing the bookstore's inventory, facilitating customer management, ensuring data accuracy, and providing a seamless user experience, the system offers several benefits. Firstly, the system allows for efficient and accurate management of the bookstore's inventory. It enables the addition of new books to the system with ease, ensuring that the inventory is up to date. The system also provides features for updating book prices to reflect market changes, reducing manual effort and potential errors. Secondly, the system improves the search functionality for finding specific books.

In the future, there are several exciting avenues for the Book Store Management System to explore and expand upon. One potential area of development is the integration of an online bookstore platform. By seamlessly connecting the system with an online interface, bookstores can broaden their reach and tap into a wider customer base. Customers would be able to browse books, place orders, and make payments online, enhancing the overall shopping experience. Another aspect that holds promise for future work is the implementation of advanced data analytics and business intelligence capabilities.