



***Khulna University of Engineering & Technology,  
Khulna***

***Department of Electronics and Communication Engineering***

***Course No: CSE 3100***

***Course Title: Internet Programming Laboratory***

***Project Title: E-Library Management***

***Submitted To:***

**S. M. Taslim Uddin Raju**  
Lecturer  
Department of Computer  
Science and Engineering  
(KUET)

**S. M. Taslim Uddin Raju**  
Lecturer  
Department of Computer  
Science and Engineering  
(KUET)

***Submitted By:***

**MD. IMRAN**  
Department of Electronics and  
Communication Engineering  
Roll: 1809037  
Batch: 2K18  
3<sup>rd</sup> Year 1<sup>st</sup> Semester

## Objectives:

- ❖ To learn *HTML* and *CSS*
- ❖ To learn *C#* and *SQL*
- ❖ Familiarization with *Microsoft Visual Studio* and *Microsoft SQL Server*
- ❖ To aim to design a website using above mentioned language.

## Software Requirements:

1. MS Visual Studio
2. MS SQL Server
3. SQL Server Management Studio
4. MS EDGE or Google Chrome

## Framework/ Library Requirements:

1. Bootstrap
2. Font-awesome
3. Data-tables

## Features:

### A. Users

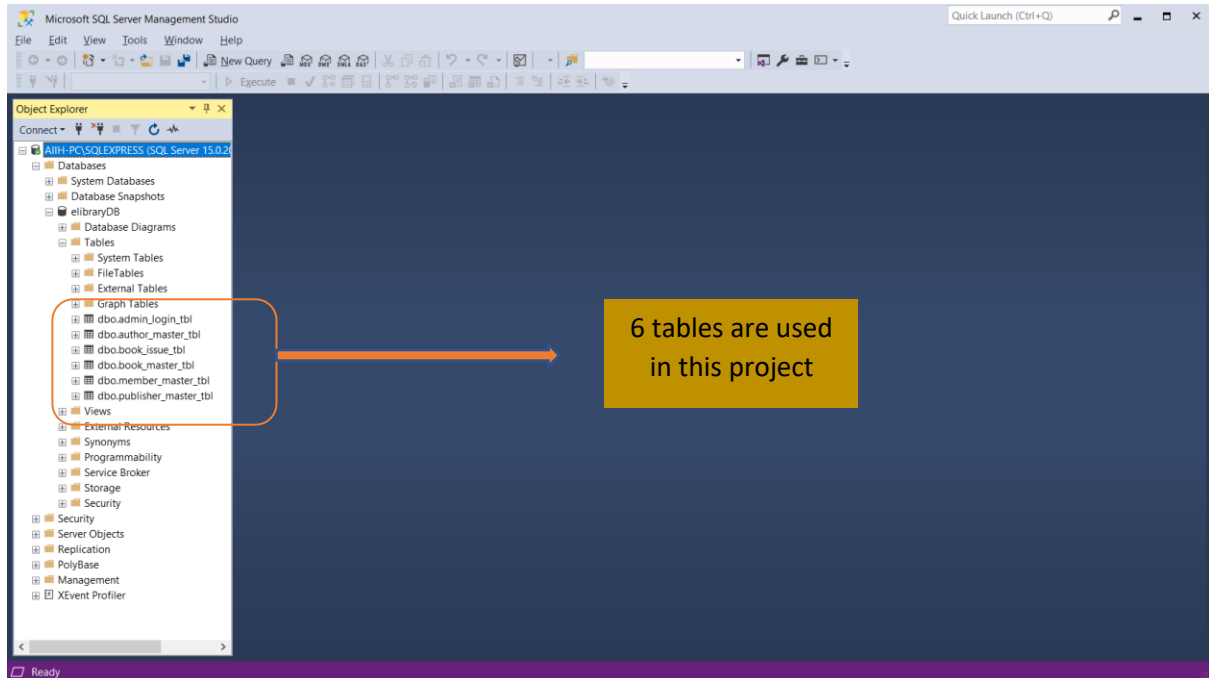
1. Sign Up
2. Login
3. Sign Out
4. Session
5. Cookie
6. Overdue Date

### B. Admin User

1. Admin Login
2. Admin Logout
3. Author Management
4. Publisher Management
5. Book Inventory
6. Book Issuing
7. Member Management

## Database:

I have used *MS SQL Server* for this project. I have created 6 tables.



**admin\_login\_tbl** (username, password, full\_name)

**author\_master\_tbl** (author\_id, author\_name)

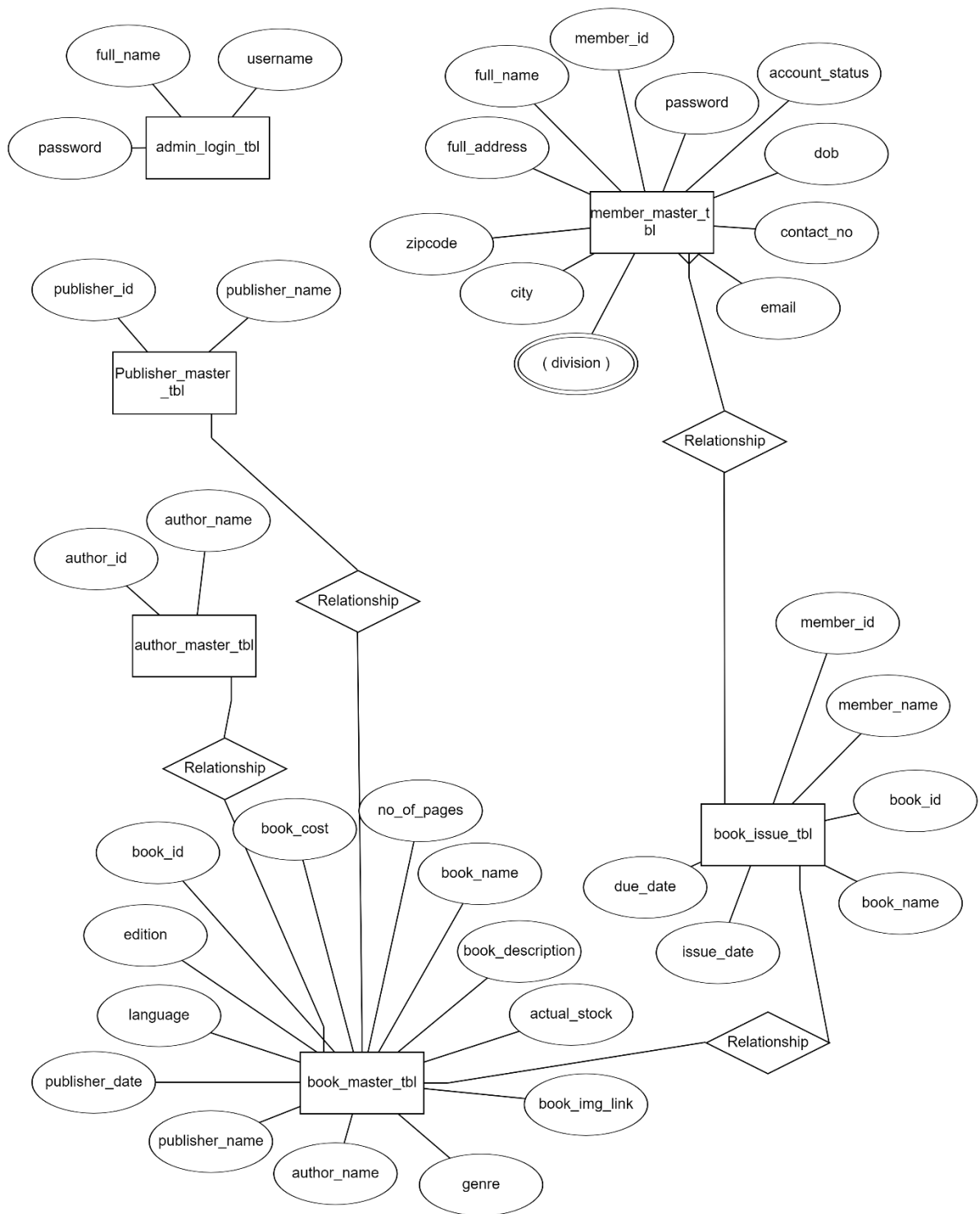
**book\_issue\_tbl** (member\_id, member\_name, book\_id, book\_name, issue\_date, due\_date)

**book\_master\_tbl** (book\_id, book\_name, genre, author\_name, publisher\_name, publish\_date, language, edition, book\_cost, no\_of\_pages, book\_description, actual\_stock, book\_img\_link)

**member\_master\_tbl** (full\_name, dob, contact\_no, email, division, city, zipcode, full\_address, member\_id, password, account\_status)

**publisher\_master\_tbl** (publisher\_id, publisher\_name)

## ER Diagrams:



## Functionality:

### Homepage

The [homepage](#) has hyperlink for new member to [Sign Up](#) and registered member to [User Login](#), and [Admin Login](#) for admin user/s. All member can view the library book via [View Books](#).

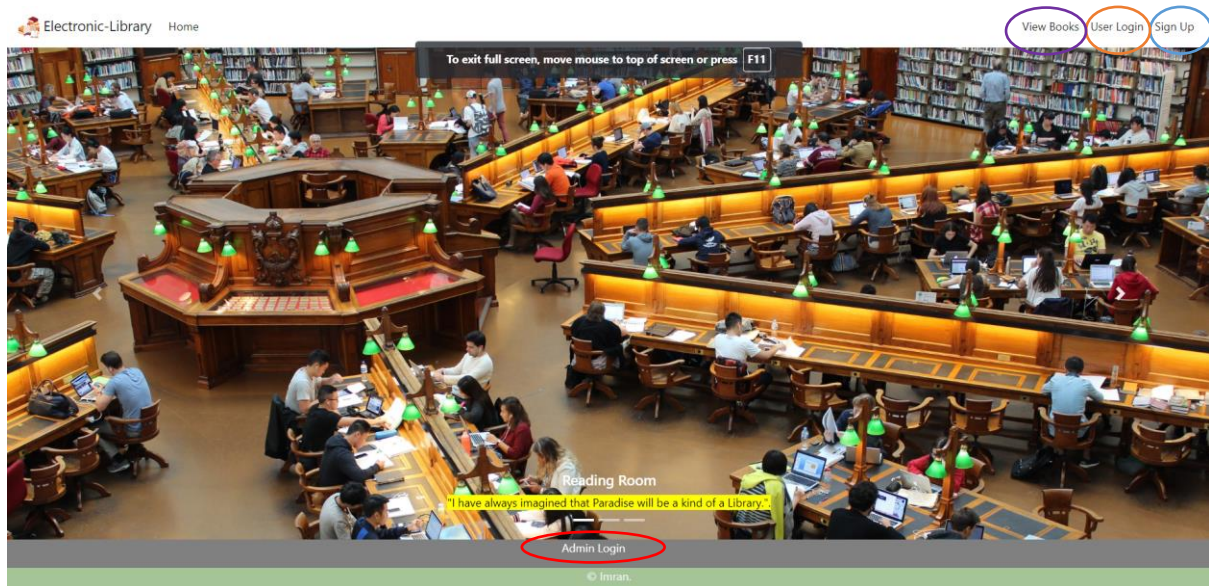


figure 1.1: homepage

### Sign Up

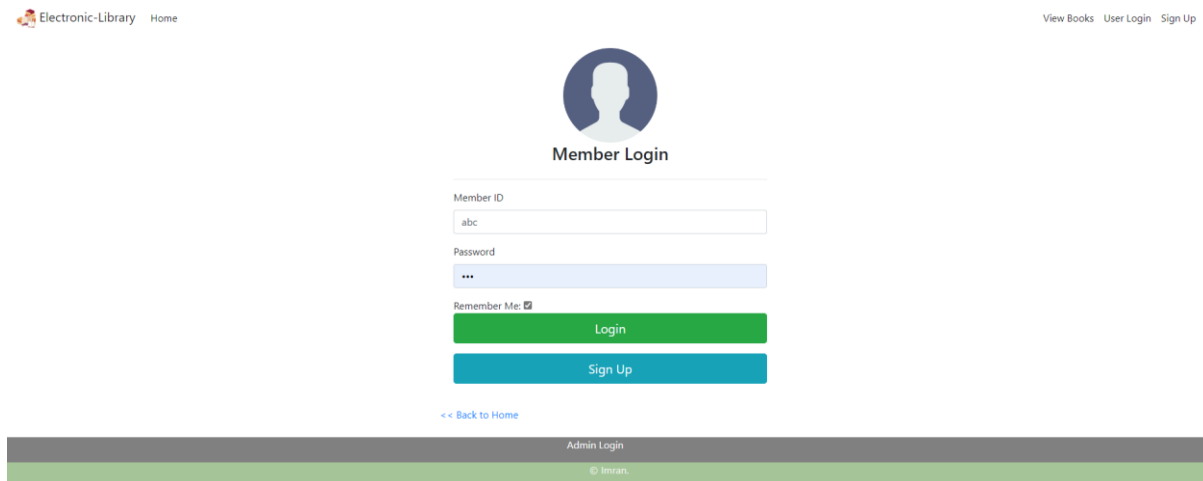
New member must be [signup](#) for renting the book from the library.

The screenshot displays the 'Member Signup' form. The header shows 'Electronic-Library' and 'Home' on the left, and 'View Books', 'User Login', and 'Sign Up' on the right. The form itself is titled 'Member Signup' and includes a profile icon placeholder. It contains several input fields: 'Full Name' (with 'mr. yyy' as a placeholder), 'Date of Birth' (with '12/01/2005' and a calendar icon), 'Contact No' (with '01811188899'), 'Email ID' (with 'xyz@gmail.com'), 'Division' (a dropdown menu showing 'Mymensingh'), 'City' (with 'Abc' as a placeholder), 'Zipcode' (with '1234' as a placeholder), 'Full Address' (with 'abc city, mymensingh district' as a placeholder), 'Member ID' (with 'xyz' as a placeholder), and 'Password' (with '\*\*\*' as a placeholder). A green 'SignUp' button is at the bottom of the form. Below the form is a '<< Back to Home' link. The footer of the page shows 'Admin Login' and '© Imran.'.

Figure 1.2: signup page

## User Login

While login if **Remember Me** checkbox is checked, **member\_id** and **password** is saved to your browser for 2 days.



Electronic-Library Home

View Books User Login Sign Up

Member Login

Member ID

abc

Password

\*\*\*

Remember Me: ☒

Login

Sign Up

< Back to Home

Admin Login

© Imran.

figure 1.4: user login page

## User-Signed Homepage

When a member **login** successfully, **sign in** and **sign up** button going to disappear. Profile view i. e. **Hello xyz** and **Logout** button are appeared.

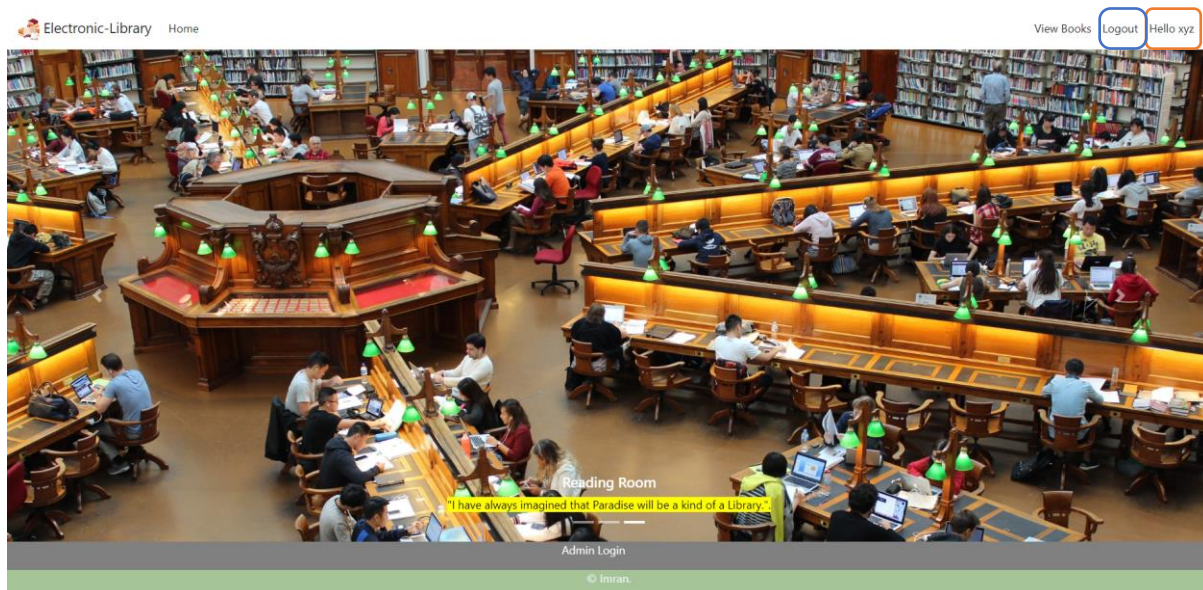


figure 1.5: user signed homepage

## User Profile

Profile details can be updated and issued book can be viewed here.


Electronic-Library

Home

View Books

Logout

Hello xyz



### Your Profile

Account Status - pending

Full Name

mr. yyy

Date of Birth

12/01/2005

Contact No

01811188899

Email ID

xyz@gmail.com

Division

Mymensingh

City

Abc

Zipcode

1234

Full Address

abc city , mymensingh district

User ID

xyz


Old Password

123

New Password

New Password

Update



### Your Issued Books

[your books info](#)

[<< Back to Home](#)

Admin Login

© Imran.

figure 1.6: user profile page

## Admin Login


Electronic-Library

Home

View Books

User Login

Sign Up



### Admin Login

Admin ID

imran

Password

...

Login

[<< Back to Home](#)

Admin Login

© Imran.

figure 1.7: admin login page



## Admin Signed Homepage

When the admin **login** successfully, **Admin Login**, **sign in** and **sign up** button going to disappear. **Hello Admin** and **Logout** button are appeared.

The other admin features are appeared i.e. **Author Management**, **Publisher Management**, **Book Inventory**, **Book Issuing**, **Member Management**.

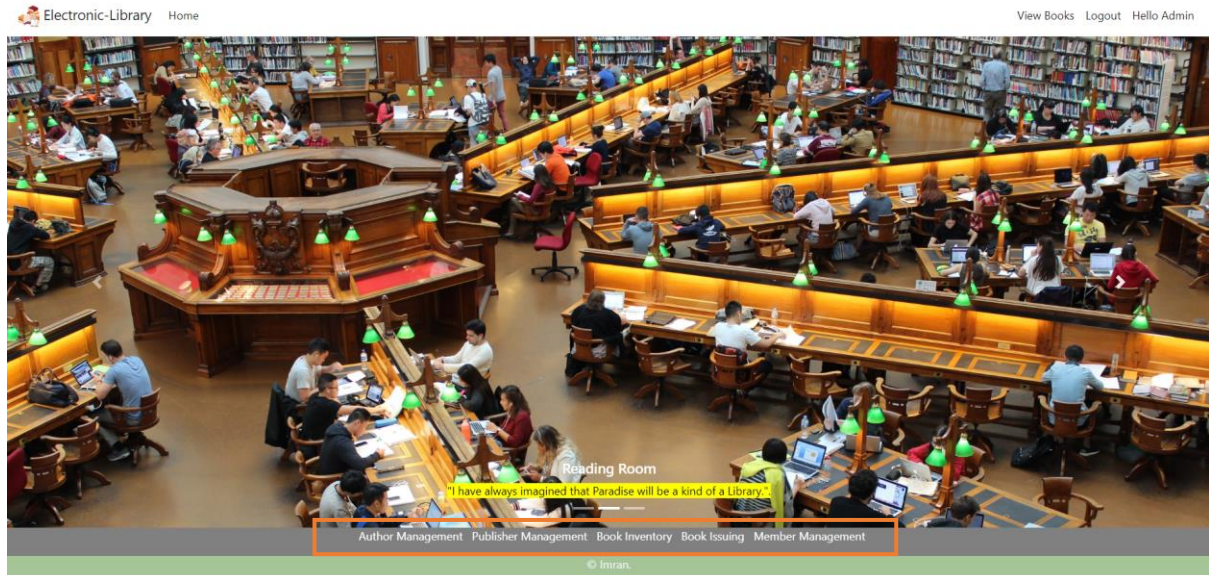


figure 1.8: admin signed homepage

## Author Management

The author's name can be added, updated or removed.

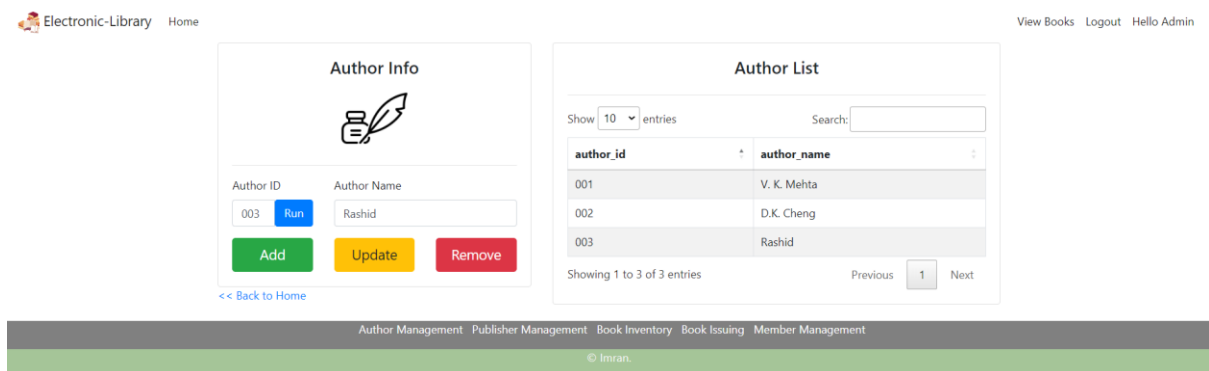


figure 1.9: author management page



## Publisher Management

The book publisher name can be added, updated or removed.

The screenshot shows the 'Publisher Management' page. On the left, the 'Publisher Info' form has fields for 'Publisher ID' (002) and 'Publisher Name' (S. CHAAD), with 'Run' and 'Add' buttons. On the right, the 'Publisher List' table shows two entries: 001 PEARSON and 002 S. CHAAD. The bottom navigation bar includes links for Author Management, Publisher Management, Book Inventory, Book Issuing, and Member Management, with a copyright notice for Imran.

publisher_id	publisher_name
001	PEARSON
002	S. CHAAD

figure 1.10: publisher management page

## Book Inventory

Book's details can be added, updated or removed.

The screenshot shows the 'Book Inventory' page. On the left, the 'Book Details' form includes fields for Book ID (001), Book Name (Principles of Electronics), Language (English), Author Name (V. K. Mehta), Genre (Science), Publisher Name (S. CHAAD), Publish Date (27/06/2022), Edition (2nd), Book Cost (5000), Pages (792), Actual Stock (10), Current Stock (9), and Issued Books (1). On the right, the 'Book Inventory List' table shows two entries: 001 Principles of Electronics and 002 Field and wave electromagnetics. The bottom navigation bar includes links for Author Management, Publisher Management, Book Inventory, Book Issuing, and Member Management, with a copyright notice for Imran.

ID	Book Details
001	<b>Principles of Electronics</b> Author - V. K. Mehta   Genre - Science   Language - English Publisher - S. CHAAD   Publish Date - 2022-06-27   Pages - 792   Edition - 2nd Cost - 5000   Actual Stock - 10   Available Stock - 9 Description - Principles of Electronics is a 2002 book by Colin Simpson designed to accompany the Electronics Technician distance education program and contains a concise and practical overview of the basic principles, including theorems, circuit behavior and problem-solving procedures of Electronic circuits and devices
002	<b>Field and wave electromagnetics</b> Author - D.K. Cheng   Genre - Science   Language - English Publisher - PEARSON   Publish Date - 2022-06-27   Pages - 721   Edition - 2nd Cost - 7000   Actual Stock - 5   Available Stock - 4 Description - Respected for its accuracy, its smooth and logical flow of ideas, and its clear presentation, Field and Wave Electromagnetics has become an established textbook in the field of electromagnetics.

figure 1.11: book inventory page

## Book Issuing

To issue a book, member id and book id needed.

Member ID	Member Name	Book ID	Book Name	Issue Date	Due Date
ali	imran	001	Principles of Electronics	2022-07-07	2022-07-14
xyz	mr. yyy	001	Principles of Electronics	2022-07-13	2022-07-20
ali	imran	002	Principles of Electronics	2022-06-30	2022-07-06

figure 1.12: book issuing page

## Member Management

Member status can be updated to (pending, active, disable) or member can be removed permanently from database.

ID	Name	Account Status	Contact No	Email ID	Division	City
abc	Abc	pending	1111	abrcd@gmail.com	Dhaka	badda
ali	imran	active	017100	abc@gmail.com	Barishal	amtali
xyz	mr. yyy	pending	01811188899	xyz@gmail.com	Mymensingh	Abc

figure 1.13: member management page

## Conclusion:

I have designed the website this way.

## Reference:

1. [ASP Tutorial \(w3schools.com\)](https://www.w3schools.com/asp/)
2. [ASP.NET Tutorial for Beginners: Learn .NET Basics in 3 Days \(guru99.com\)](https://www.guru99.com/asp-net-tutorial-for-beginners.html)
3. [C# Tutorial for Beginners: Learn C Sharp Programming in 7 Days \(guru99.com\)](https://www.guru99.com/csharp-tutorial-for-beginners.html)
4. [\(16\) Coder Baba - YouTube](#)