Course Name : Web Technologies

Course Instructor :

J.Dhiviya Rose
Assistant Professor-Selection Grade
Department of Cybernetics
School of Computer Science
Email : dhiviyarj@ddn.upes.ac.in
Mobile : 9410188296

CAPSTONE PROJECT

Library Management System

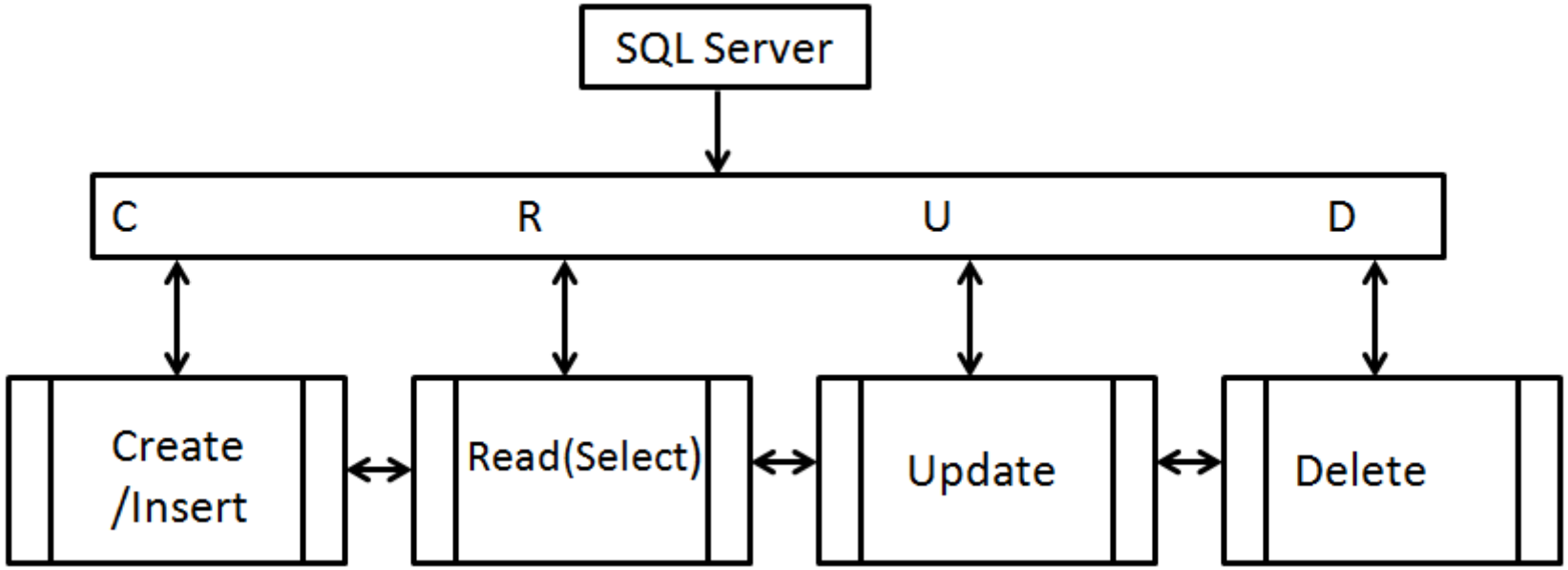
Course Instructor

Dhiviya Rose J . Asst. Prof. Selection Grade

AI Cluster | SOCS | UPES

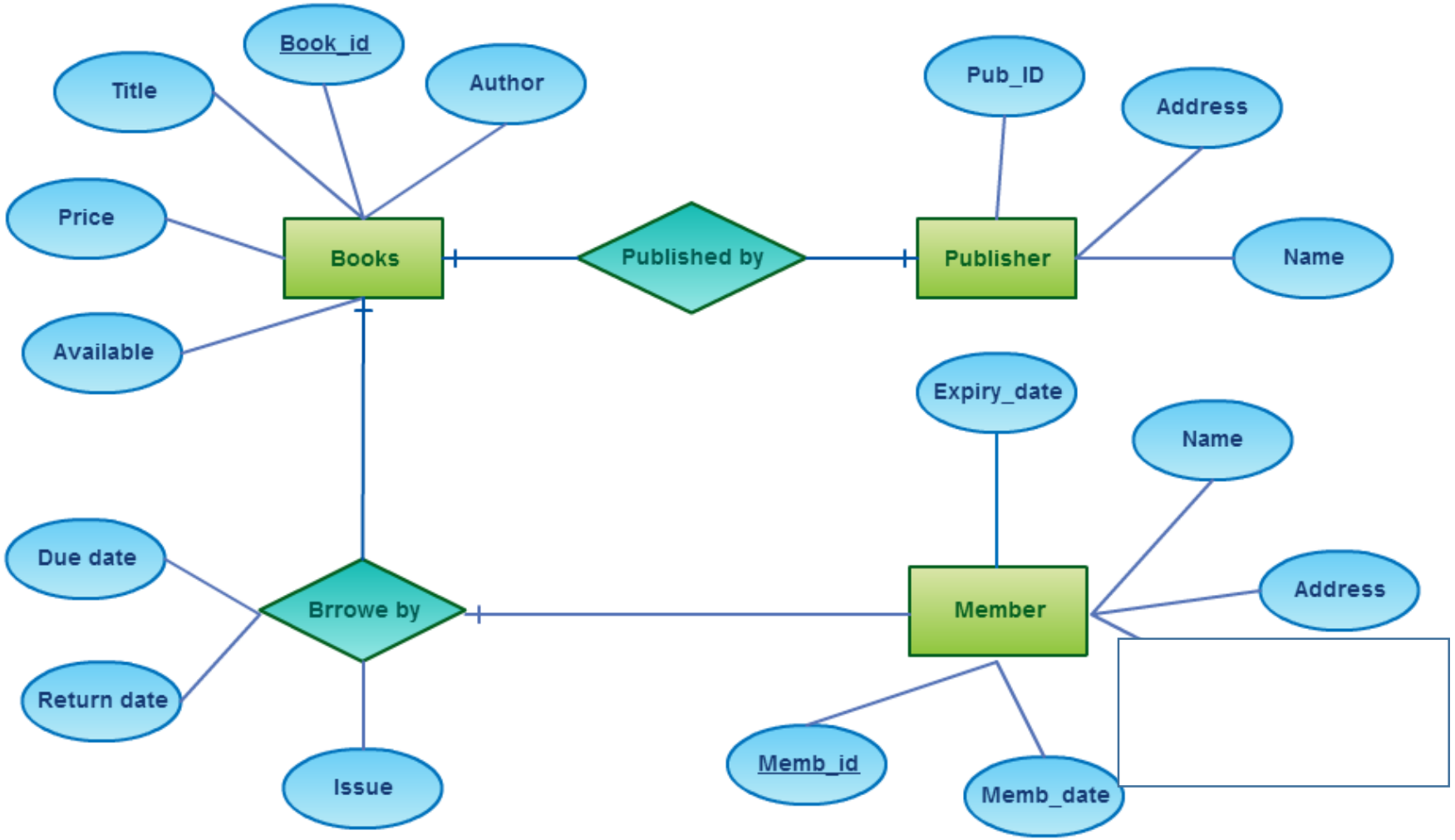
- Installation of MySQL DB
- Working on CRUD operations @backend
- Working on CRUD operation @frontend

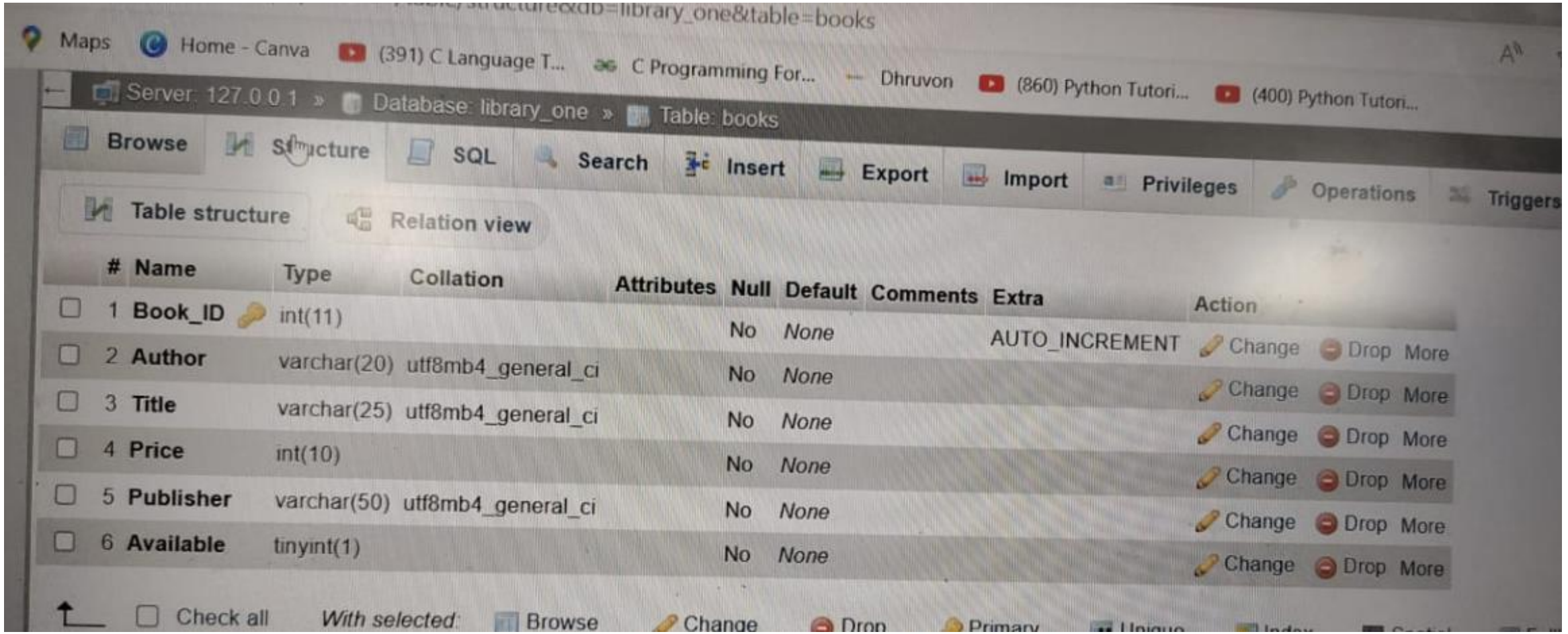
Ref: https://www.w3schools.com/php/php_mysql_intro.asp

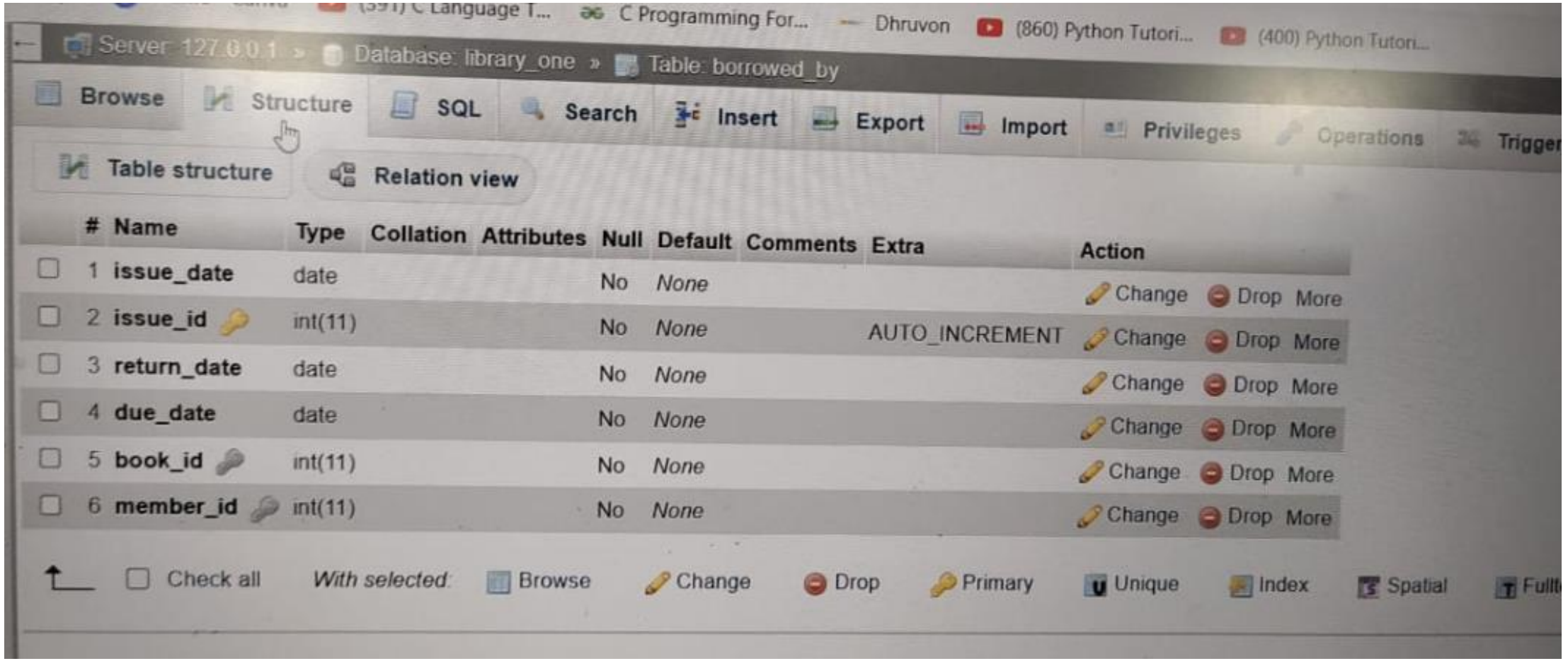

SQL Server
C
R
U
D
Create /Insert
Read(Select)
Update
Delete

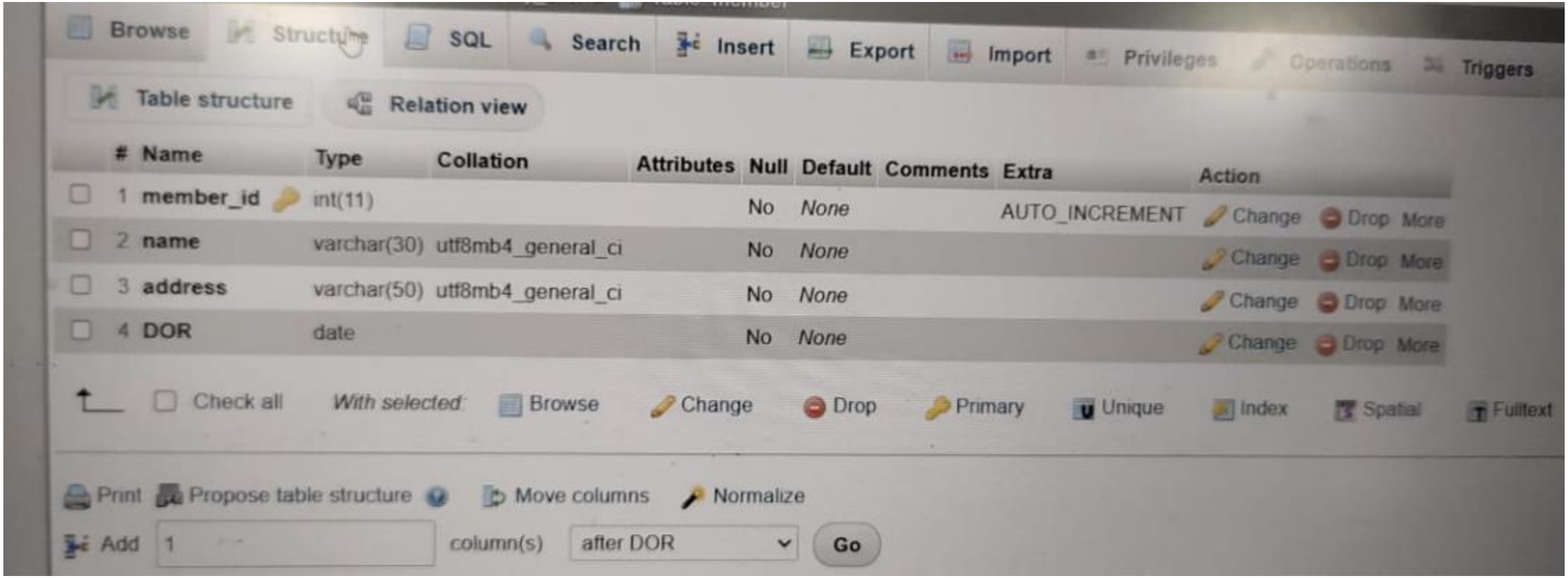
Use case Diagram

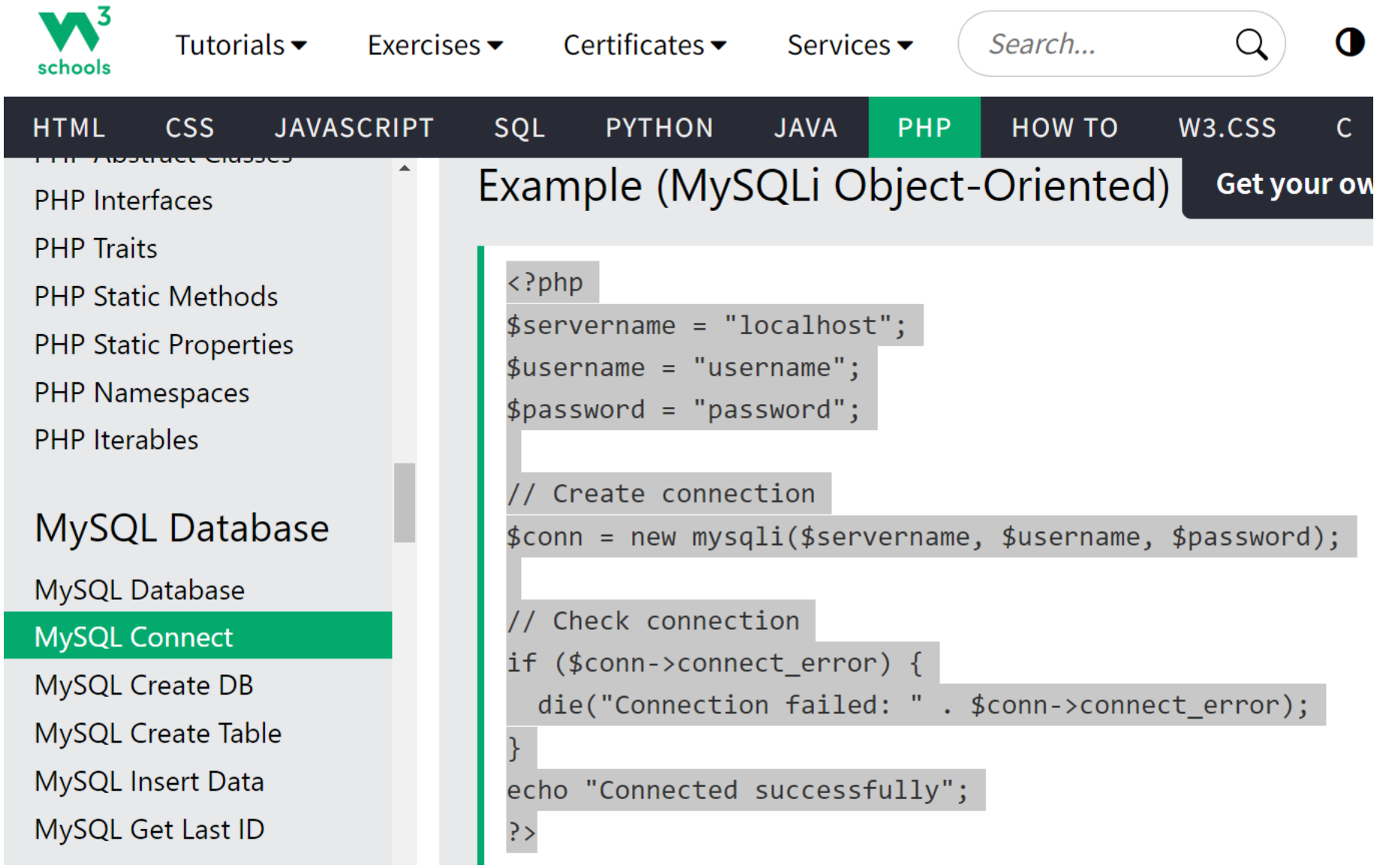
E-R Diagram of Library Management System




Maps
Home - Canva
(391) C Language T...
C Programming For...
Dhruvon
(860) Python Tutori...
(400) Python Tutori...
Server: 127.0.0.1 » Database: library_one » Table: books
Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations
Triggers
Table structure
Relation view
Name Type Collation Attributes Null Default Comments Extra Action
1 Book_ID int(11) No None AUTO_INCREMENT Change Drop More
2 Author varchar(20) utf8mb4_general_ci No None Change Drop More
3 Title varchar(25) utf8mb4_general_ci No None Change Drop More
4 Price int(10) No None Change Drop More
5 Publisher varchar(50) utf8mb4_general_ci No None Change Drop More
6 Available tinyint(1) No None Change Drop More
Check all
With selected:
Browse
Change
Drop
Primary


C Programming For...
Dhruvon
(860) Python Tutori...
(400) Python Tutori...
Server 127.0.0.1 » Database: library_one » Table: borrowed_by
Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations
Trigger
Table structure
Relation view
Name Type Collation Attributes Null Default Comments Extra Action
1 issue_date date No None Change Drop More
2 issue_id int(11) No None AUTO_INCREMENT Change Drop More
3 return_date date No None Change Drop More
4 due_date date No None Change Drop More
5 book_id int(11) No None Change Drop More
6 member_id int(11) No None Change Drop More
Check all
With selected:
Browse
Change
Drop
Primary
Unique
Index
Spatial


Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations
Triggers
Table structure
Relation view
Name Type Collation Attributes Null Default Comments Extra Action
1 member_id int(11) No None AUTO_INCREMENT Change Drop More
2 name varchar(30) utf8mb4_general_ci No None Change Drop More
3 address varchar(50) utf8mb4_general_ci No None Change Drop More
4 DOR date No None Change Drop More
Check all
With selected
Browse
Change
Drop
Primary
Unique
Index
Spatial
Fulltext
Print
Propose table structure
Move columns
Normalize
Add 1 column(s) after DOR
Go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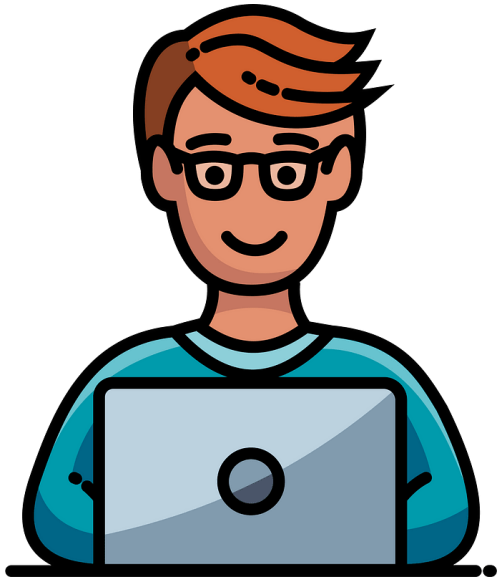
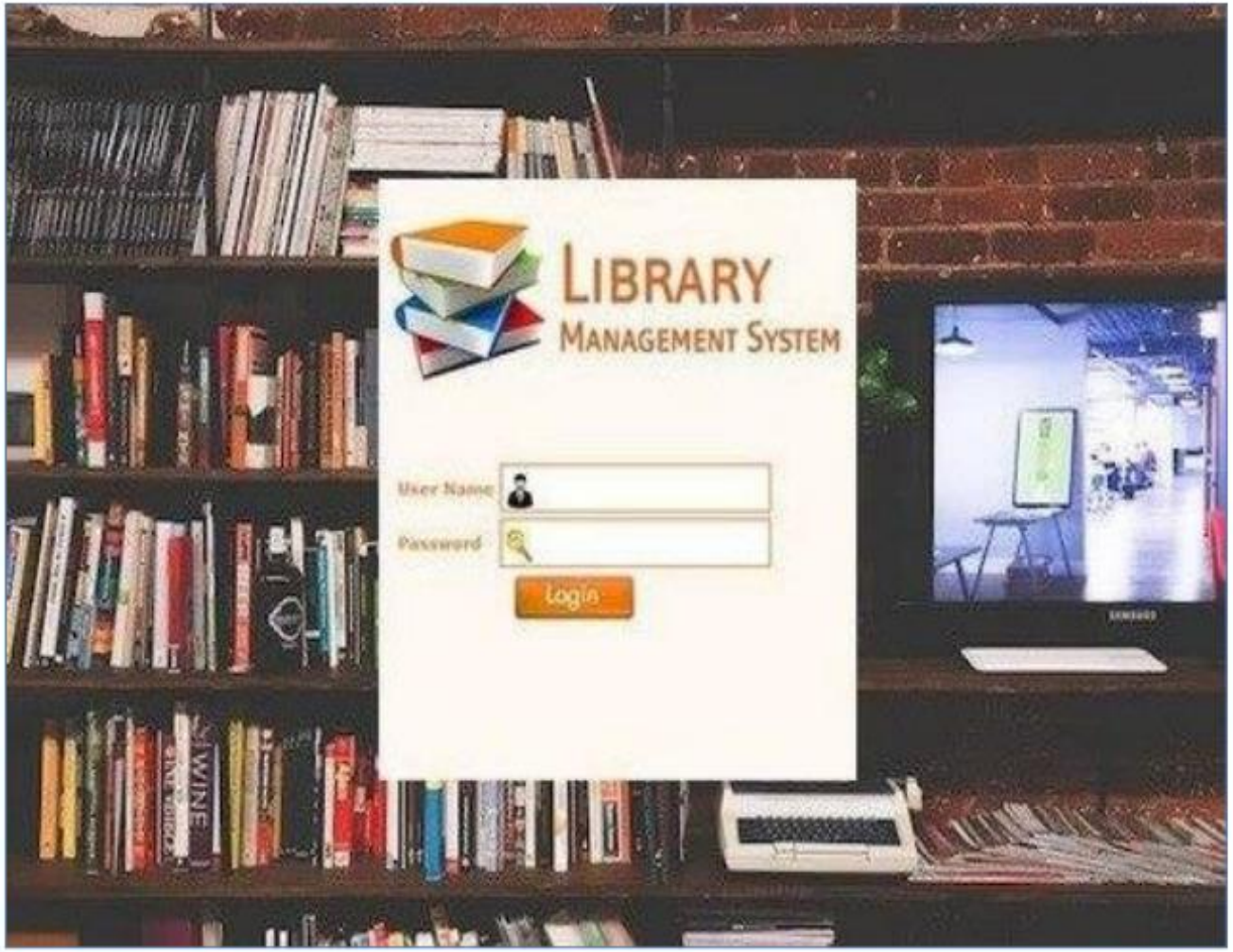
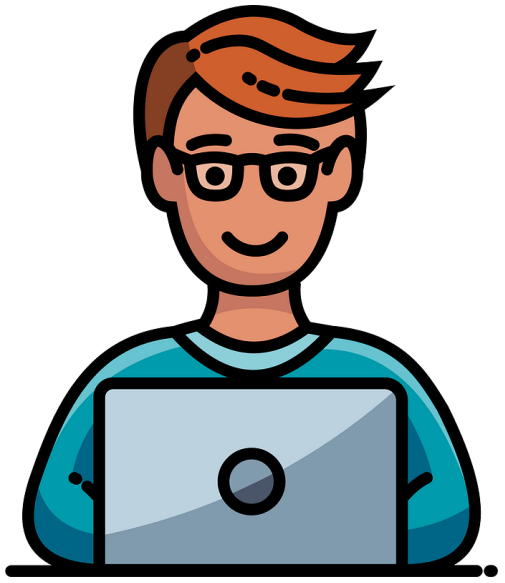
PHP Static Methods
PHP Static Properties
PHP Namespaces
PHP Iterables
MySQL Database
MySQL Database
MySQL Connect
MySQL Create DB
MySQL Create Table
MySQL Insert Data
MySQL Get Last ID
Example (MySQLi Object-Oriented)
Get your ow
<?php
$servername = "localhost";
$username = "username";
$password = "password";
// Create connection
$conn = new mysqli($servername, $username, $password);
// Check connection
if ($conn->connect_error) {
die("Connection failed: " . $conn->connect_error);
}
echo "Connected successfully";
?>

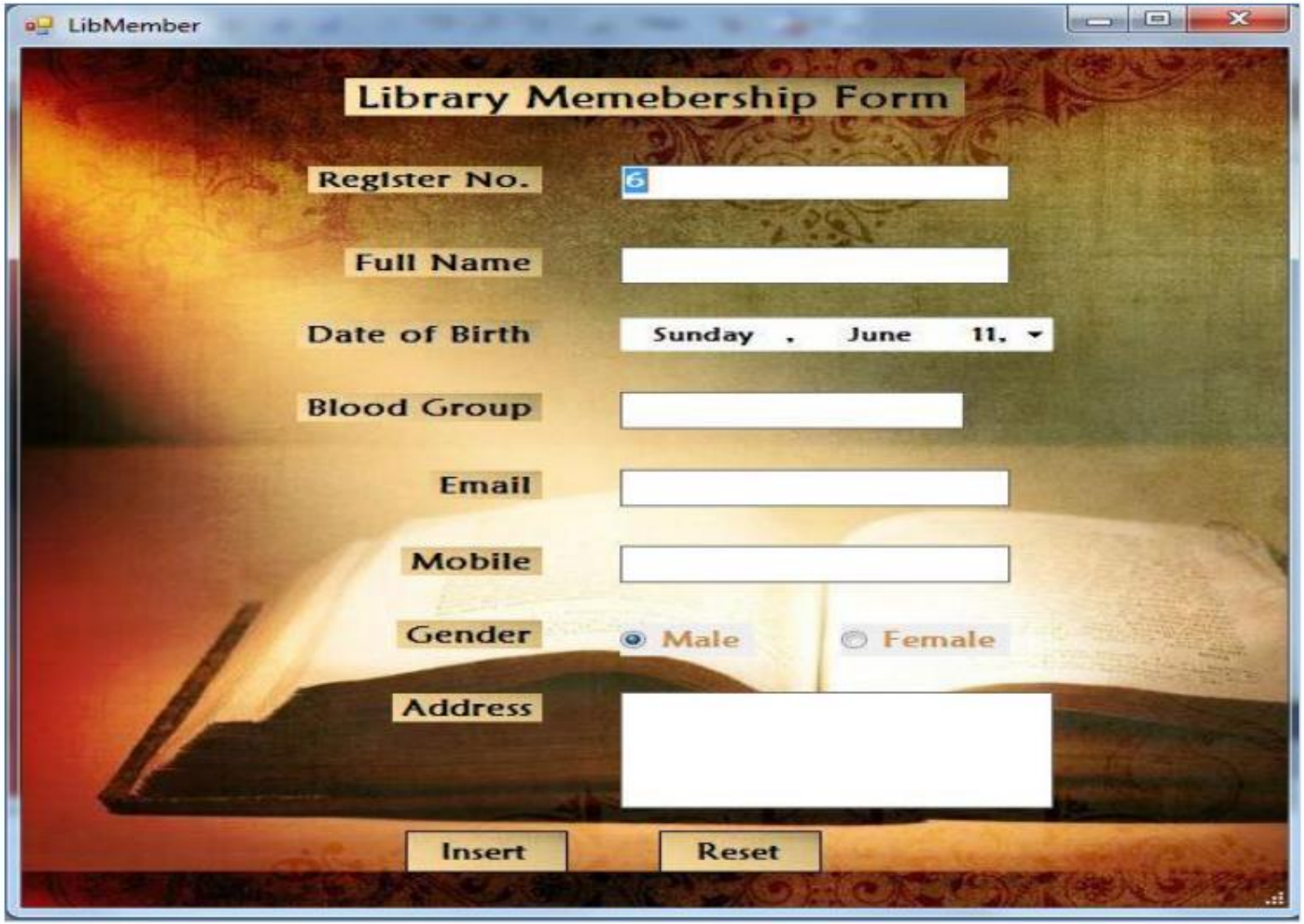
1. LOGIN PAGE



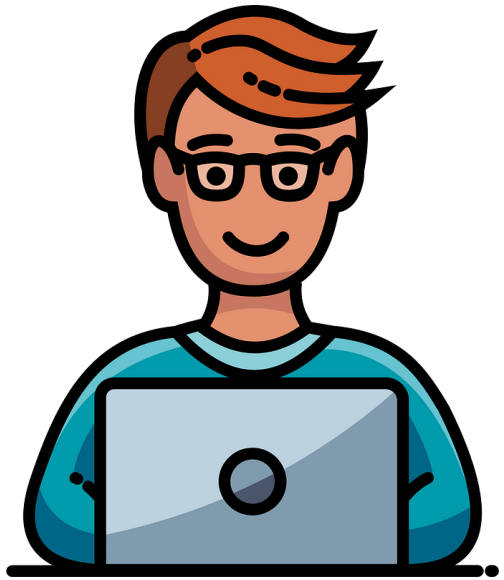


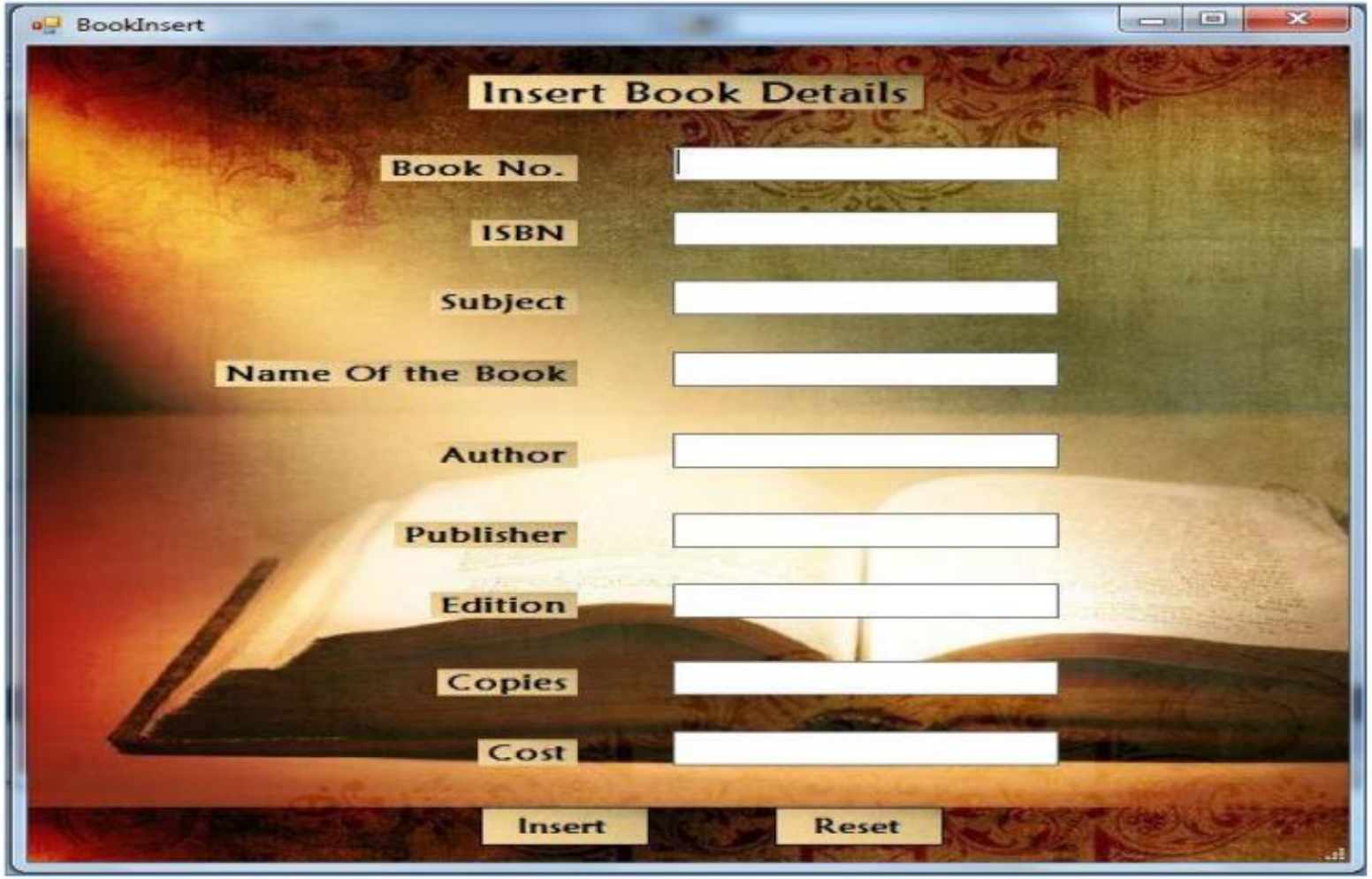
2. Sample Adding Members



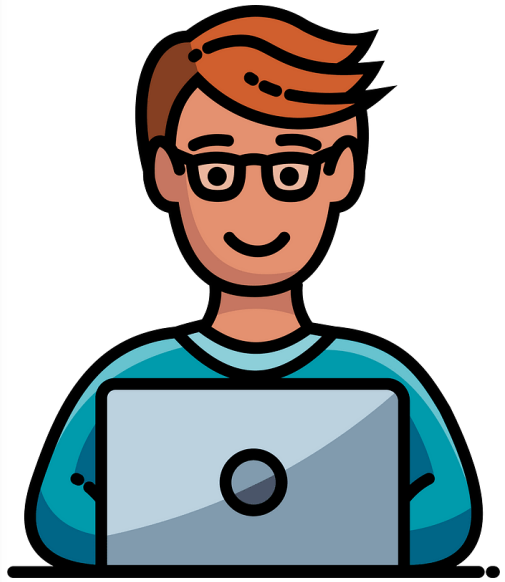


3. Sample Adding Book form





4. Sample Frontend Design



Digital Library

welcome

Admin

ADD PUBLICATION

ADD BOOK

BOOK Report

ADD Branch

ADD Student

Student Report

Issue Book

Issue Report

Return Book

Panalty

LogOut

ADD NEW BOOK

BookName :

Detail :

Autor :

Publication : SELECT

Branch : it civil ec electrical

Price :

Quantity :

Book Photo : Choose File No f...sen

ADD Book

Modules:

- **Admin login:** Admin is the one who administers the system by adding or removing e-books into and from the system respectively.
- **User login:** Students have to register themselves into the system to create an account. After registering successfully, they can then login into the system by entering 10 digit mobile number and their email id.
- **Add and Update Books:** The admin can add books to the system by entering the details of the books and can even update the details.
- **Search option:** Admin and Students can even search for books by entering the name of the book.
- **View Order-**The admin can view order for the books.
- **Place order-** The students can place order for the books and simultaneously the quantity of the book ordered will be decremented.
- **Calculate Fine-** The student can view the issue and expiry date for the book issued and can even calculate fine.

Thank you