Web Programming Languages
CS 6314.001

Bookstore Website

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Table's Content

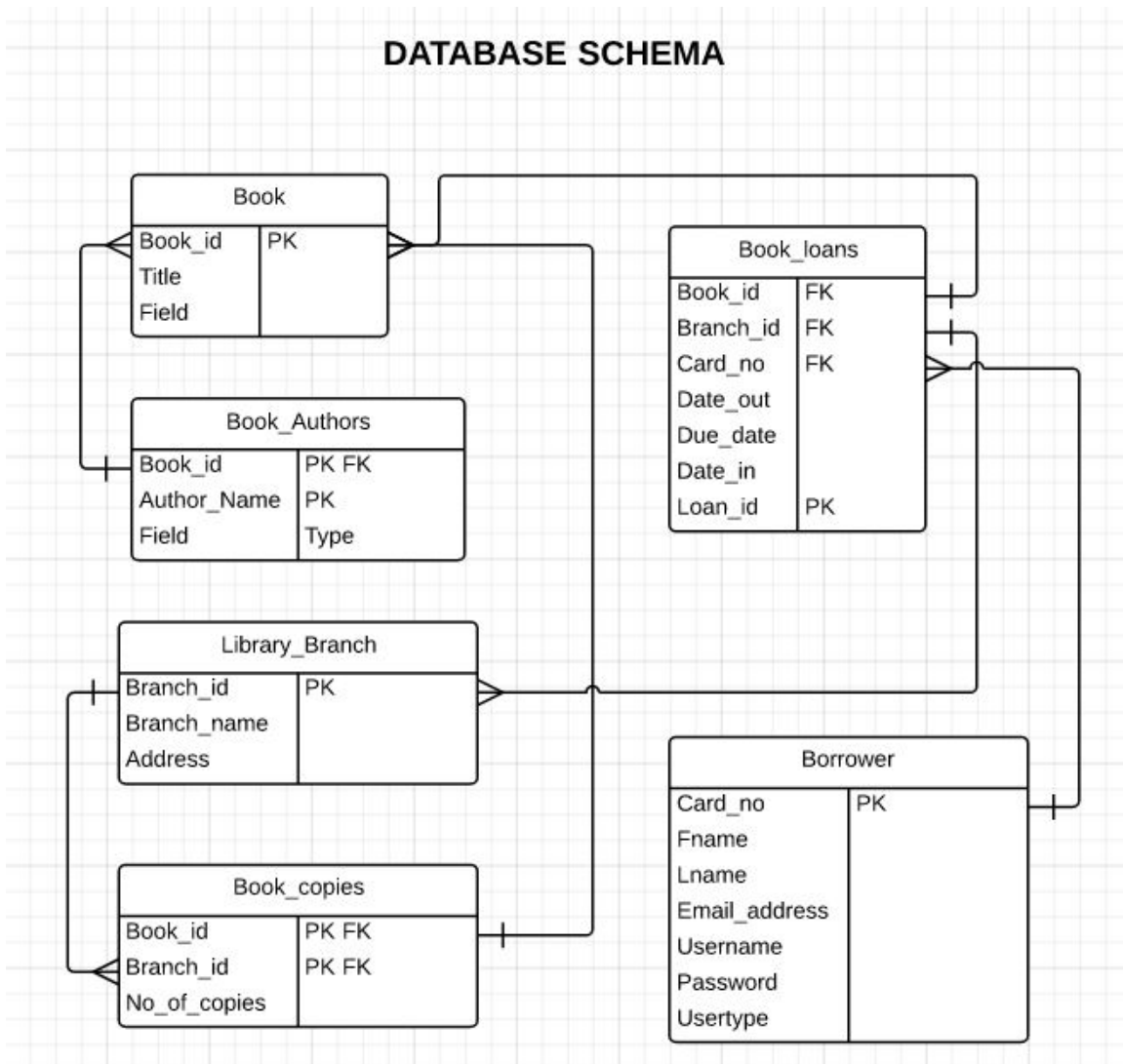# 1. Project Title: Bookstore Website

2. Website Name: Bookstore Website

1. Project Description:

In this project, we designed an online Bookstore Website. We used HTML/CSS/JavaScript/JQuery/Ajax in the front-end, PHP for server-side scripting, and MySQL for database.

A user can log-in or register for a new account at log-in page. Validation is checking for the existing email address and user name when user registers.

There are two types of user: admin and normal user. If normal user logged in, all the admin functions will not be shown. A normal user can search/check-in/check-out a book as well as paying the fine. An admin user can do all the normal user can do plus the privilege to add/update/delete a book. When a book is on loan, admin cannot delete this book.

2. Database Design:

DATABASE SCHEMA

Book	
Book_id	PK
Title	
Field	

Book_Authors	
Book_id	PK FK
Author_Name	PK
Field	Type

Library_Branch	
Branch_id	PK
Branch_name	
Address	

Book_copies	
Book_id	PK FK
Branch_id	PK FK
No_of_copies	

Book_loans	
Book_id	FK
Branch_id	FK
Card_no	FK
Date_out	
Due_date	
Date_in	
Loan_id	PK

Borrower	
Card_no	PK
Fname	
Lname	
Email_address	
Username	
Password	
Usertype	

3. Languages/Frameworks Used for Implementation:
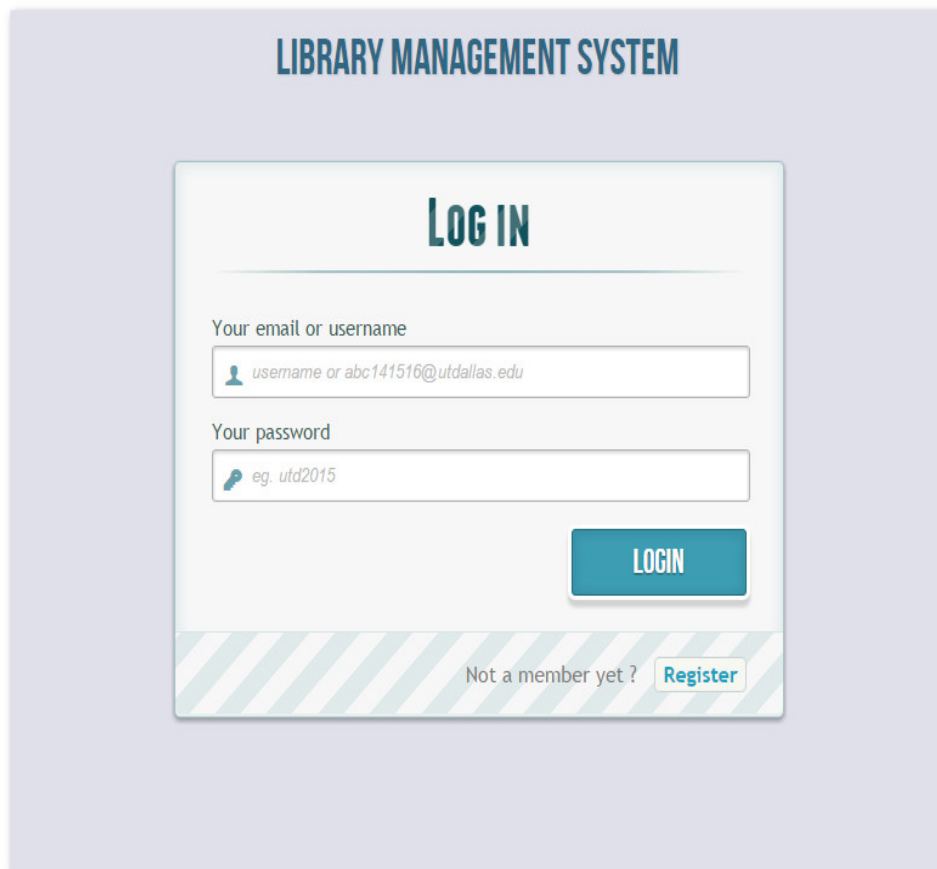
Language: PHP, JavaScript (JQuery,Ajax), HTML, CSS

IDE: Notepad++ 6.8.7, Eclipse, MySQL Workbench

Environment: MAMP

4. Functionality Screen Shots

4.1 Log-in page

4.2 Register page

4.3 User function

4.4 Admin function

4.5 Search book result

Search Result

Book_ID	Title	Author	Branch_ID	Number Of Copies	Number OF Availability	CheckOut
0130897930	Core Web Programming (2nd Edition)	Marty Hall,Larry Brown	1	1	1	Check Out
0130897930	Core Web Programming (2nd Edition)	Marty Hall,Larry Brown	2	1	0	Check Out
0130897930	Core Web Programming (2nd Edition)	Marty Hall,Larry Brown	3	2	1	Check Out
0130897930	Core Web Programming (2nd Edition)	Marty Hall,Larry Brown	4	0	0	Check Out
0130897930	Core Web Programming (2nd Edition)	Marty Hall,Larry Brown	5	1	1	Check Out
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0789710285	Web Programming Desktop Reference 6-In-1	Rick Darnell,Brian Farrar,Russ Jacobs,David Medine	1	1	1	Check Out
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4.6 Pay-fine page

4.7 Adding book page