



Course title: Software Development Project II

Course No: CSE 3200

Submitted By:

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Sec:B

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RUET ONLINE LIBRARY MANAGEMENT

1. Introduction

The purpose of this document is to propose the project of RUET Online Library Management. The project is concerned with developing a library management system to make library management more efficient and easy to handle. The library management system enables a fully automated library service. It has the ability to display the details of the books available in various departments, the transactions of the books and the book holders.

2. Statement of the problem

Many libraries are operated manually by a group of people. These people keep records regarding the books and students, check the books manually and keep records on issued books. All these things have to be carried out manually and if the library is very large, people record keeping will become a major problem as manually and if the library is very large, people record keeping will become a major problem as manual record keeping has never been a reliable method because people tend to forget things.

Other problem of the existing system are:

- Fast report generation is not possible.
- Tracking a book is difficult.
- Information about issue/ return of the books is not properly maintained.
- No central database can be created as information is not available in database.

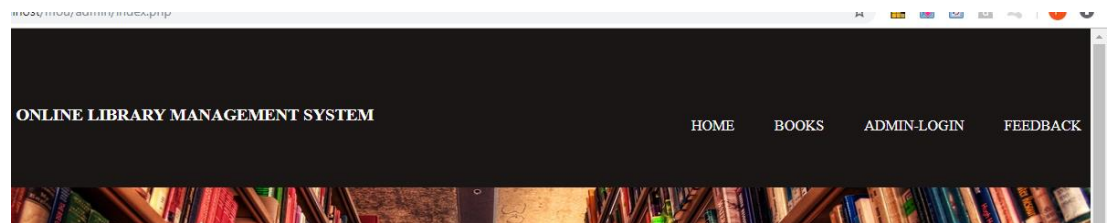
3. Solution to the problem

The solution to the problem of the manual library management is to develop a computerized library management system. And I have developed a computerized library management system. This system has two functional part :


- Admin
- Student

The function of admin is given bellow:

1.At first the admin enter into homepage where he has option to see books of our library and feedbacks given to the library without login and also he has option to login.



2.After login he can see all the student information who request for book. Then admin approve this request and send notification.




mim(admin)

Welcome,

My Profile

Book request

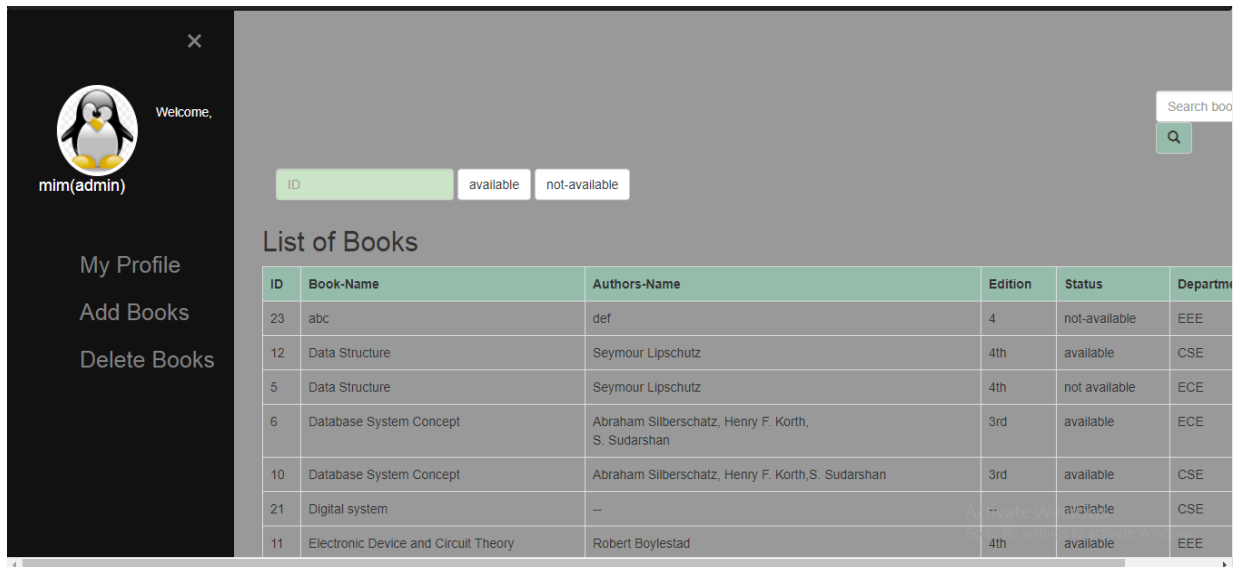
Book Issue Info

Search By roll... 

Student Information

firstname	lastname	username	email	contact	semester	roll	s
Amena	Khatun	Urmi	amena@yahoo.com	019263773646	3	1610045	n
Sanzida	Islam	Sanzida	mousanzida7@gmail.com	01714964521	4	1510016	n
Maisha	Labiba	Nahian	maishalabibanahian@gmail.com	934839274983	4	1510060	n
Kaniz	Fatema	Koli	kanizkoli@gmail.com	01684343245	5	21223	n
Annur	Afsin	Prianti	annurafsin@gmail.com	01605453287	3	1610034	n
Sharmin	Rubaiya	Urmi2	sharmin@gmail.com	0122338474	2	1634344	n
Anika	Tabassum	Raka	raka123@gamil.com	0192268737	4	1510045	n
Suhi	Jahan	Suhi	suhijahan@gmail.com	017364646464	4	1510070	n
Hafsa	Binte Kibria	Hafsa97	hafsabintekibria@gmail.com	0174328900	4	1510024	n

3.He can see all the books , search the books, add books, delete books, make available or unavailable the books.



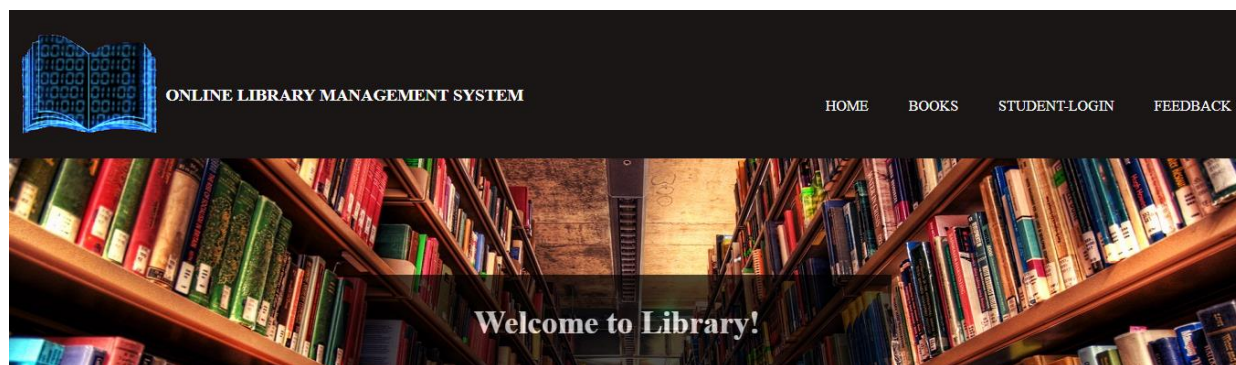
The screenshot displays the admin interface of an online library management system. On the left is a dark sidebar with a penguin profile icon, the text 'Welcome, mim(admin)', and navigation links: 'My Profile', 'Add Books', and 'Delete Books'. The main area features a search bar at the top right and filter buttons for 'ID', 'available', and 'not-available'. Below these is a 'List of Books' table.

ID	Book-Name	Authors-Name	Edition	Status	Departm
23	abc	def	4	not-available	EEE
12	Data Structure	Seymour Lipschutz	4th	available	CSE
5	Data Structure	Seymour Lipschutz	4th	not available	ECE
6	Database System Concept	Abraham Silberschatz, Henry F. Korth, S. Sudarshan	3rd	available	ECE
10	Database System Concept	Abraham Silberschatz, Henry F. Korth, S. Sudarshan	3rd	available	CSE
21	Digital system	--	--	available	CSE
11	Electronic Device and Circuit Theory	Robert Boylestad	4th	available	EEE


3.Finally, he logout from the library.

The function of student is given bellow:

1.At first the admin enter into homepage where he has option to see books of our library and feedbacks given to the library without login and also he has option to login and signup.



2.After login he can see all the books and search books department wise or name wise or id wise and he can send an issue request to the admin for a book.



Welcome,
Sanzida

My profile

Issued Books

Department

ECE

CSE

EEE

Search b

Q

Insert bo

Submit

List of Books

ID	Book-Name	Authors-Name	Edition	Status	Department
12	Data Structure	Seymour Lipschutz	4th	available	CSE
6	Database System Concept	Abraham Silberschatz, Henry F. Korth, S. Sudarshan	3rd	available	ECE
10	Database System Concept	Abraham Silberschatz, Henry F. Korth, S. Sudarshan	3rd	available	CSE
21	Digital system	--	--	available	CSE
11	Electronic Device and Circuit Theory	Robert Boylestad	4th	available	EEE
1	Electronic Device and Circuit Theory	Robert Boylestad	4th	available	ECE

3.He can see all his issued books.

Books you have taken

name	authors	edition	department	approve	issue_date	return_date
PRINCIPLES OF ELECTRONICS:	V.K. Mehta, Rohit Mehta	--	ECE	RET	4-12-2017	2017-12-19
abc:	def	4	EEE			
Database System Concept:	Abraham Silberschatz, Henry F. Korth, S. Sudarshan	3rd	CSE			

3.Finally, he logout from the library.

I developed this website by using HTML, CSS, BOOTSTRAP, Php and Javascript and I used ATOM as IDE.

Now I want to extend my RUET Online Library Management System With some interesting features.

4. Conclusion:

The Library management system needs to be computerized to reduce human errors and to increase the efficiency. The proposed Ruet Online Library management in this proposal will be a computerized management system development to maintain all the daily work of our Ruet library.