

TABLE OF CONTENTS

ABSTRACT

1. INTRODUCTION
BACKGROUND OF PROJECT
OPERATION ENVIRONMENT
2. SYSTEM ANALYSIS
SOFTWARE REQUIREMENT SPECIFICATION
SOFTWARE TOOL USED
3. SYSTEM DESIGN
TABLE DESIGN
DATA FLOW DIAGRAM'S
4. SYSTEM IMPLEMENTATION
MODULE DESCRIPTION
SCREEN SHOTS
5. SYSTEM TESTING
INTEGRATION TESTING
UNIT TESTING
6. CONCLUSION & FUTURE SCOPE
7. REFERENCES

ABSTRACT:

Book Library Management System is a system which maintains the information about the books present in the library, their authors, the members of library to whom books are issued, library staff and all. This is very difficult to organize manually. The Book Library Management has been designed to computerize and automate the operations performed over to add new book , update , read and delete the books.

INTRODUCTION

The introduction gives an background and operation environment of the system.

BACKGROUND OF PROJECT

Book Library Management System is an website which refers to library systems. It is used by Admin to manage the library using a computerized system where Admin add new books. Admin and student modules are also included in this system. With this computerized system there will be no loss of book record.

OPERATION ENVIRONMENT

- 1.PROCESSOR: intel core i5 processor or better performance
- 2.OPERATING SYSTEM: Windows7, Ubuntu
- 3.MEMORY: 3.8 GB
- 4.HARD DISK SPACE: 240 GB
- 5.DATABASE : Mysql

SYSTEM ANALYSIS

In this chapter, we will discuss and analyze about the developing process of Book Library Management System including software requirement specification (SRS) and comparison between existing and proposed system .

SOFTWARE REQUIREMENT SPECIFICATION FUNCTIONAL REQUIREMENTS

- 1.Admin SignUp
- 2.Admin Signin
- 3.Add Book
- 4.ShowBooks
- 5.All Records
- 6.Student Register
- 7.Student Login
- 8.Student View

SOFTWARE REQUIREMENTS

- • Operating system- Windows 7 is used as the operating system as it is stable and supports more features and is more user friendly
- Database MYSQL-MYSQL is used as database as it easy to maintain and retrieve records by simple queries which are in English language which are easy to understand and easy to write.
- Development tools and Programming language- HTML is used to write the whole code and develop webpages with css, java script for styling work and php for sever side scripting.

HARDWARE REQUIREMENTS

- Intel core i5 2nd generation is used as a processor because it is fast than other processors and provide reliable and stable and we can run our pc for longtime. By using this processor we can keep on developing our project without any worries
- Ram 3.8 gb is used as it will provide fast reading and writing capabilities and will in turn support in processing.

SOFTWARE TOOL USED

The whole Project is divided in two parts the front end and the back end.

Front End

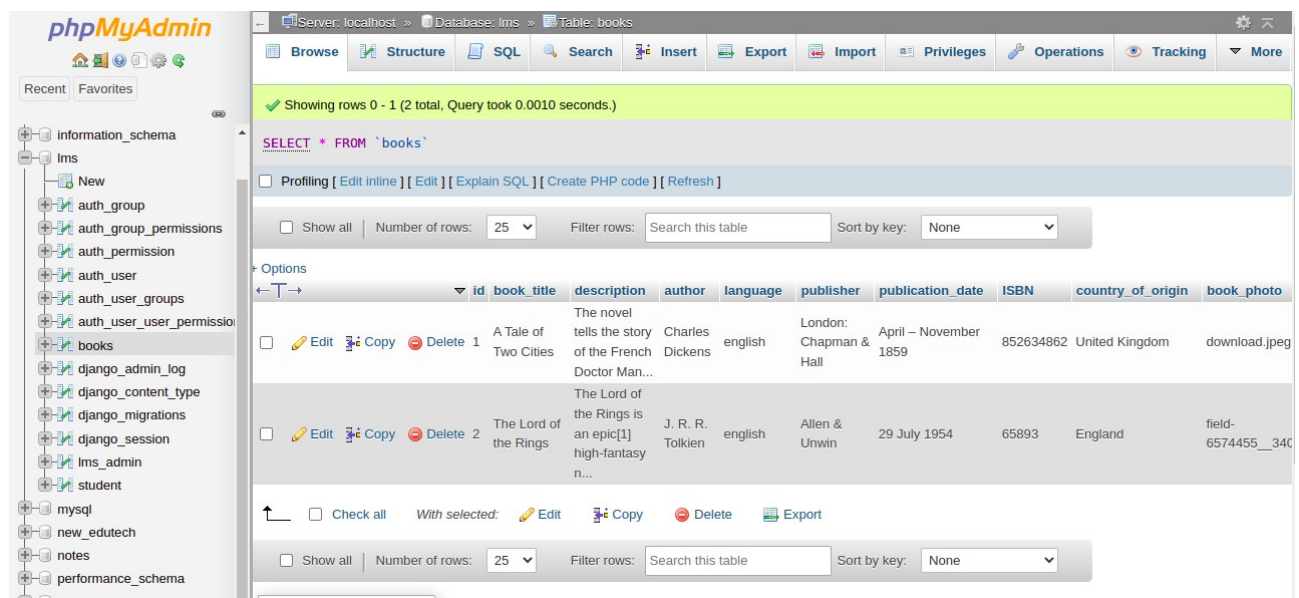
The front end is designed using of html ,css, Java script,Bootstrap,Python

Back End

For back end we are using MySQL, Django

SYSTEM DESIGN

BOOK RECORDS FROM DATABASE:



The screenshot shows the phpMyAdmin interface. On the left is a sidebar with a tree view of databases and tables. The main panel displays the 'books' table structure and data. The table has columns: id, book_title, description, author, language, publisher, publication_date, ISBN, country_of_origin, and book_photo. Two rows of data are visible.

	id	book_title	description	author	language	publisher	publication_date	ISBN	country_of_origin	book_photo
<input type="checkbox"/>	1	A Tale of Two Cities	The novel tells the story of the French Doctor Man...	Charles Dickens	english	London: Chapman & Hall	April – November 1859	852634862	United Kingdom	download.jpeg
<input type="checkbox"/>	2	The Lord of the Rings	The Lord of the Rings is an epic[1] high-fantasy n...	J. R. R. Tolkien	english	Allen & Unwin	29 July 1954	65893	England	field-6574455_340

STUDENT RECORD FROM DATABASE:

The screenshot shows the phpMyAdmin interface with the 'student' table selected in the 'lms' database. The table structure is visible on the left sidebar. The main area displays the query results for the SQL query `SELECT * FROM `student``. The results show two rows of student data.

	id	stud_name	stud_email	stud_password	stud_mobile
<input type="checkbox"/>	1	sai	sai@gmail.com	123	9556632315
<input type="checkbox"/>	2	sneha	sneha@gmail.com	123	9563245632

STUDENT STRUCTURE FROM DATABASE:

The screenshot shows the phpMyAdmin interface with the 'student' table selected in the 'lms' database. The 'Table structure' tab is active, displaying the table's schema. The table has five columns: id, stud_name, stud_email, stud_password, and stud_mobile.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	stud_name	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
3	stud_email	varchar(254)	utf8mb4_general_ci		No	None			Change Drop More
4	stud_password	varchar(20)	utf8mb4_general_ci		No	None			Change Drop More
5	stud_mobile	bigint(20)			No	None			Change Drop More

Below the table structure, the 'Indexes' tab is active, showing the table's indexes. The table has two indexes: a PRIMARY index on the 'id' column and a BTREE index on the 'stud_email' column.

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	PRIMARY	BTREE	Yes	No	id	2	A	No	
Edit Rename Drop	stud_email	BTREE	Yes	No	stud_email	2	A	No	

ADMIN TABLE FROM DATABASE:

The screenshot shows the phpMyAdmin interface with the 'lms_admin' table selected. The table structure is displayed with columns: id, name, email, password, and mobile. A single row of data is shown for user 'snehal'.

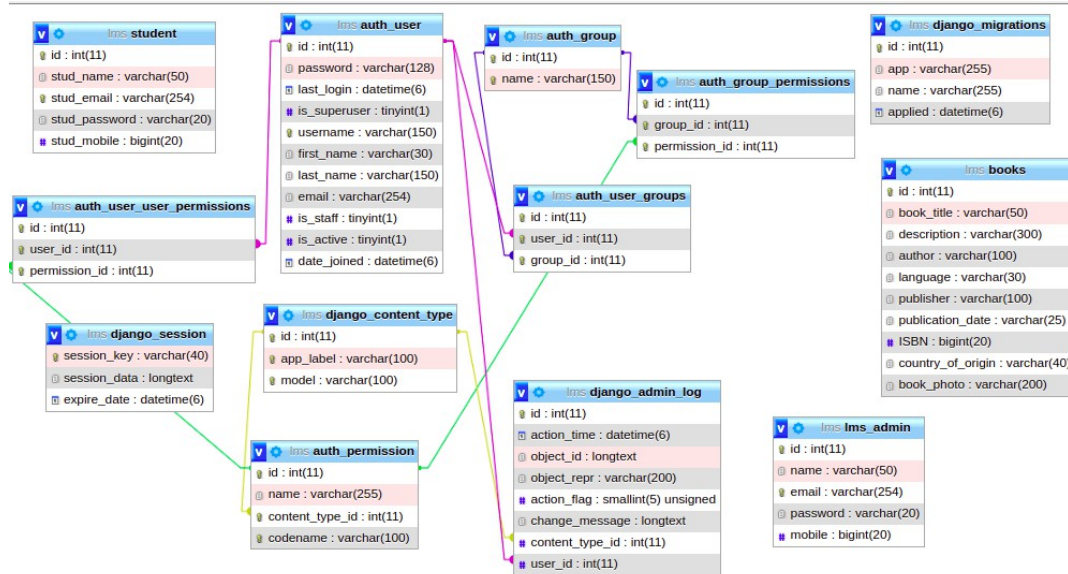
id	name	email	password	mobile
1	snehal	snehal@gmail.com	123	6984562156

BOOK Library Table From Database:

The screenshot shows the phpMyAdmin interface displaying the database structure. A list of tables is shown with their respective actions, row counts, and storage engine details.

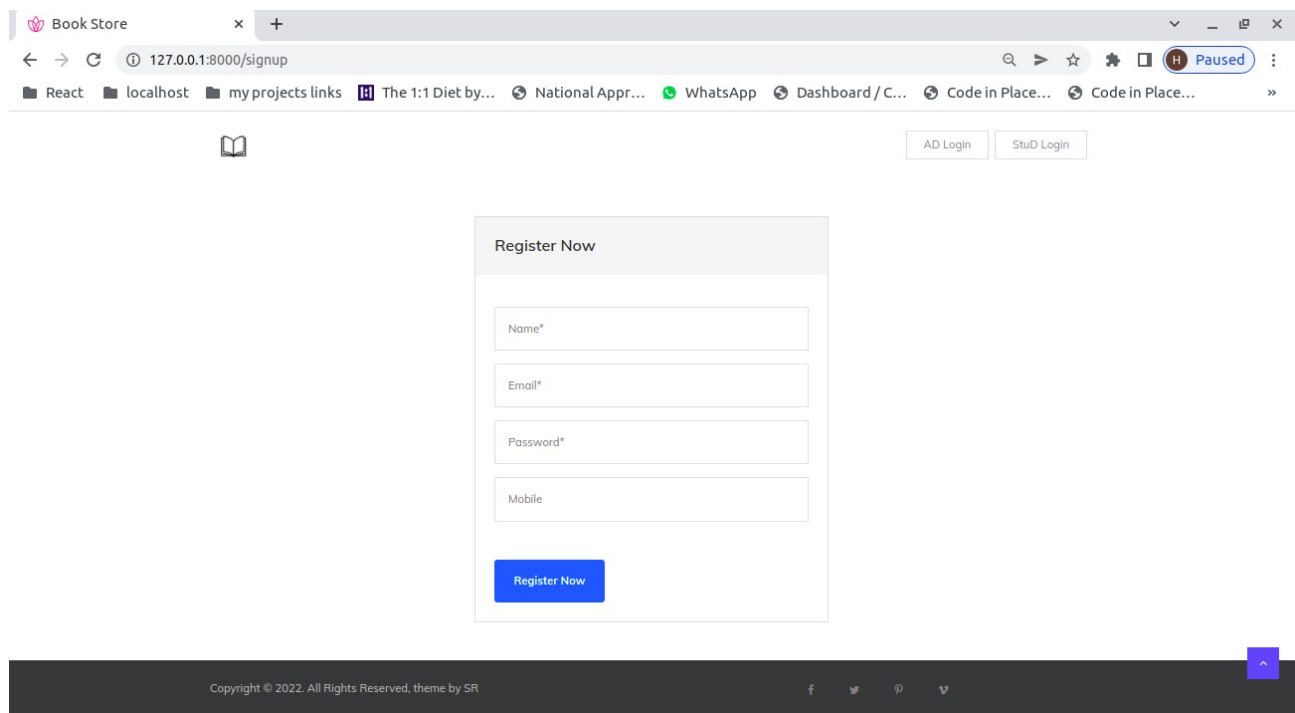
Table	Action	Rows	Type	Collation	Size	Overhead
auth_group	Browse	0	InnoDB	utf8mb4_general_ci	32.0 KiB	-
auth_group_permissions	Browse	0	InnoDB	utf8mb4_general_ci	64.0 KiB	-
auth_permission	Browse	36	InnoDB	utf8mb4_general_ci	32.0 KiB	-
auth_user	Browse	0	InnoDB	utf8mb4_general_ci	32.0 KiB	-
auth_user_groups	Browse	0	InnoDB	utf8mb4_general_ci	64.0 KiB	-
auth_user_user_permissions	Browse	0	InnoDB	utf8mb4_general_ci	64.0 KiB	-
books	Browse	2	InnoDB	utf8mb4_general_ci	16.0 KiB	-
django_admin_log	Browse	0	InnoDB	utf8mb4_general_ci	48.0 KiB	-
django_content_type	Browse	9	InnoDB	utf8mb4_general_ci	48.0 KiB	-
django_migrations	Browse	22	InnoDB	utf8mb4_general_ci	16.0 KiB	-
django_session	Browse	2	InnoDB	utf8mb4_general_ci	32.0 KiB	-
lms_admin	Browse	1	InnoDB	utf8mb4_general_ci	32.0 KiB	-
student	Browse	2	InnoDB	utf8mb4_general_ci	32.0 KiB	-
13 tables	Sum	74	InnoDB	utf8mb4_general_ci	512.0 KiB	0 B

BOOKLIBRAR ER DIAGRAM:

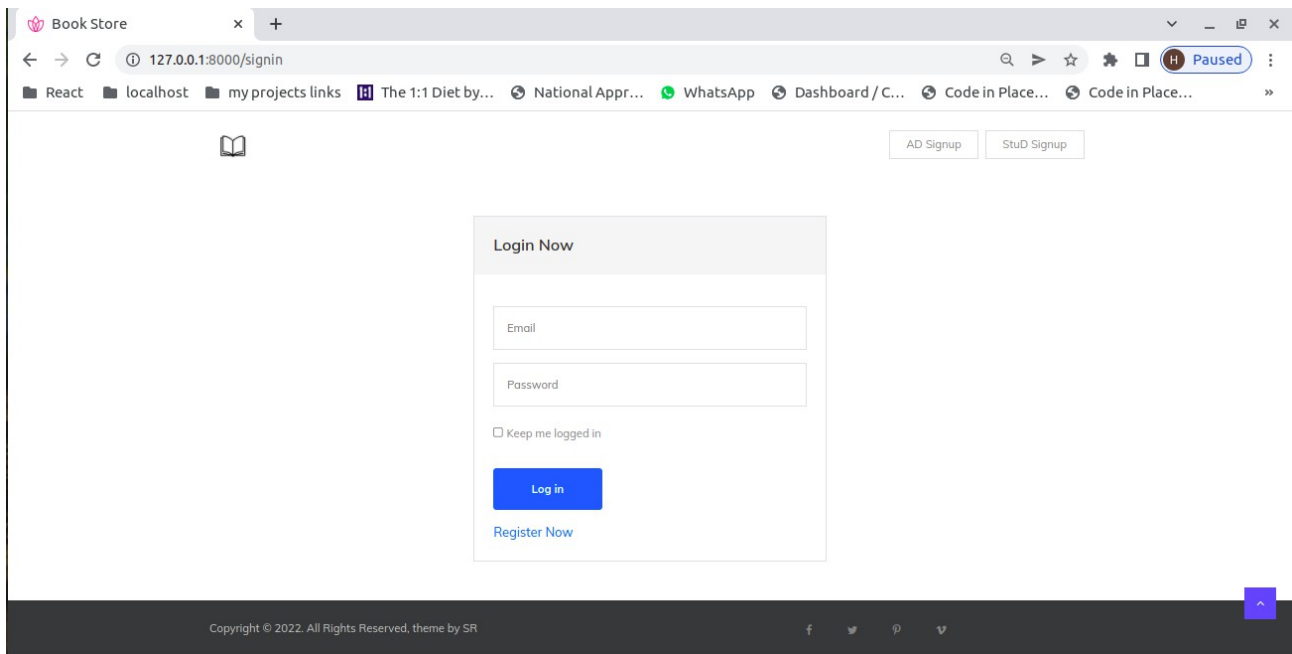


SYSTEM IMPLEMENTATION

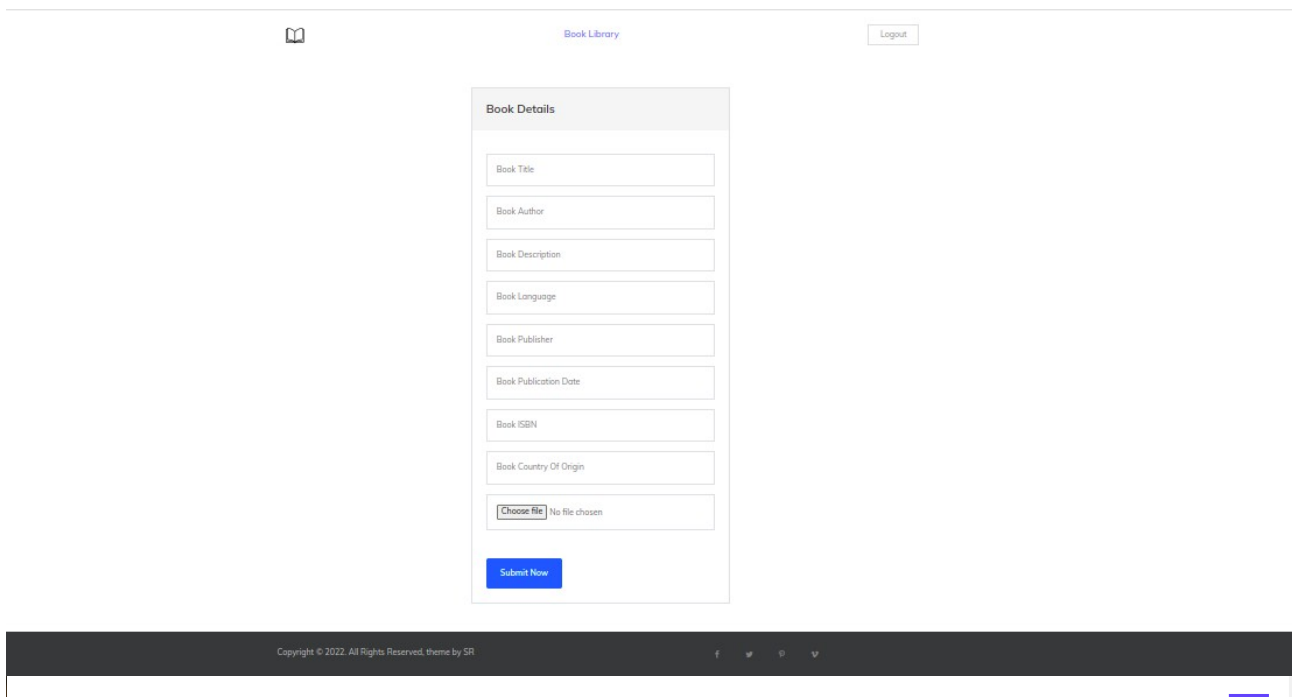
SCREENSHOT FOR ADMIN REGISTRATION PAGE:



SCREENSHOT OF ADMIN LOGIN PAGE:



SCREENSHOT OF ADD BOOK:



SCREENSHOT OF BOOKLIBRARY:

Book Store

127.0.0.1:8000/showbooks

React localhost my projects links The 1:1 Diet by... National Appr... WhatsApp Dashboard / C... Code in Place... Code in Place...

Book Library

Logout

Add Book

Book Details

ID	Title	Description	Author	Language	Publisher	Publication Date	ISBN	Country Of Origin	Photo	Edit Record	Delete Record
1	A Tale of Two Cities	The novel tells the story of the French Doctor Manette, his 18-year-long imprisonment in the Bastille in Paris, and his release to live in London with his daughter Lucie whom he had never met.	Charles Dickens	english	London: Chapman & Hall	April – November 1859	852634862	United Kingdom	download.jpeg	Edit	Delete
2	The Lord of the Rings	The Lord of the Rings is an epic[1] high-fantasy novel[a] by English author and scholar J. R. R. Tolkien. Set in Middle-earth, intended to be Earth at some distant time in the past, the story began as a sequel to Tolkien's 1937	J. R. R. Tolkien	english	Allen & Unwin	29 July 1954	65893	England	field-6574455__340.webp	Edit	Delete

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SCREENSHOT OF ALL RECORDS:

Book Store

127.0.0.1:8000/records/

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showbooks

Logout

Trending Books

Keyworddio book library

A Tale of Two Cities

Charles Dickens April – November 1859

The novel tells the story of the French Doctor Manette, his 18-year-long imprisonment in the Bastille in Paris, and his release to live in London with his daughter Lucie whom he had never met.

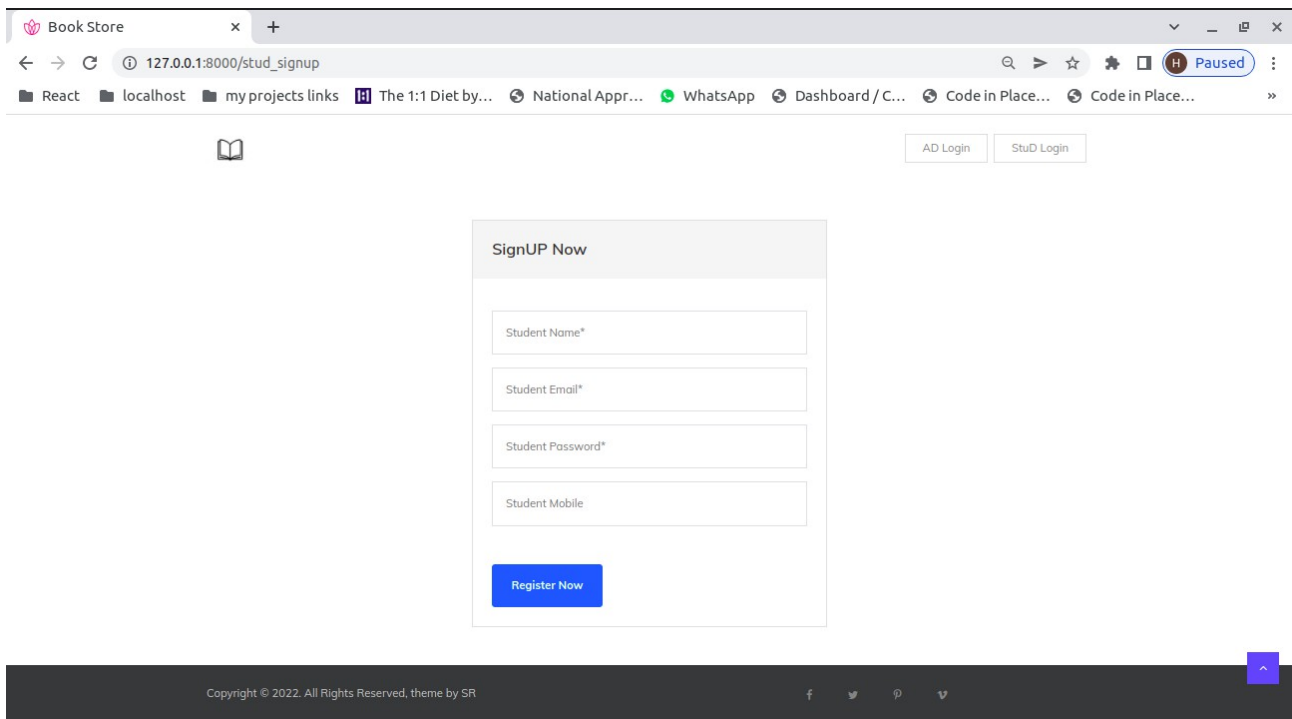
The Lord of the Rings

J. R. R. Tolkien 29 July 1954

The Lord of the Rings is an epic[1] high-fantasy novel[a] by English author and scholar J. R. R. Tolkien. Set in Middle-earth, intended to be Earth at some distant time in the past, the story began as a sequel to Tolkien's 1937

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STUDENT REGISTRATION PAGE:



The screenshot shows a web browser window with the title "Book Store" and the URL "127.0.0.1:8000/stud_signup". The browser's address bar and tabs are visible. The page features a navigation bar with a book icon and two buttons: "AD Login" and "StuD Login". The main content area is titled "SignUP Now" and contains a registration form with the following fields: "Student Name*", "Student Email*", "Student Password*", and "Student Mobile". A blue "Register Now" button is positioned below the form. The footer includes a copyright notice "Copyright © 2022. All Rights Reserved, theme by SR" and social media icons for Facebook, Twitter, Pinterest, and YouTube.

Book Store x +

127.0.0.1:8000/stud_signup

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AD Login StuD Login

SignUP Now

Student Name*

Student Email*

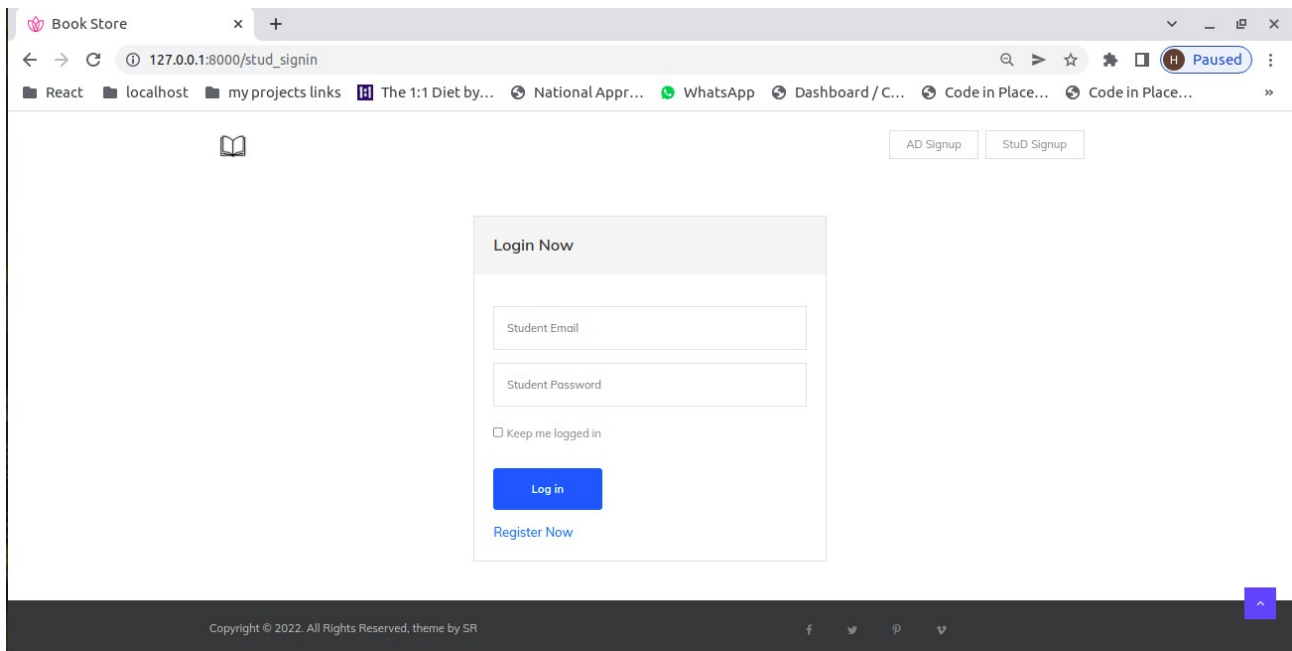
Student Password*

Student Mobile

Register Now

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STUDENT LOGIN PAGE:



The screenshot shows a web browser window with the title "Book Store" and the URL "127.0.0.1:8000/stud_signin". The browser's address bar and tabs are visible. The page features a navigation bar with a book icon and two buttons: "AD Signup" and "StuD Signup". The main content area is titled "Login Now" and contains a login form with the following fields: "Student Email" and "Student Password". There is a checkbox labeled "Keep me logged in" and a blue "Log in" button. A link "Register Now" is located below the login button. The footer includes a copyright notice "Copyright © 2022. All Rights Reserved, theme by SR" and social media icons for Facebook, Twitter, Pinterest, and YouTube.

Book Store x +

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AD Signup StuD Signup

Login Now

Student Email

Student Password

☐ Keep me logged in

Log in

Register Now

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