

TECHNOLOGIES UTILIZED

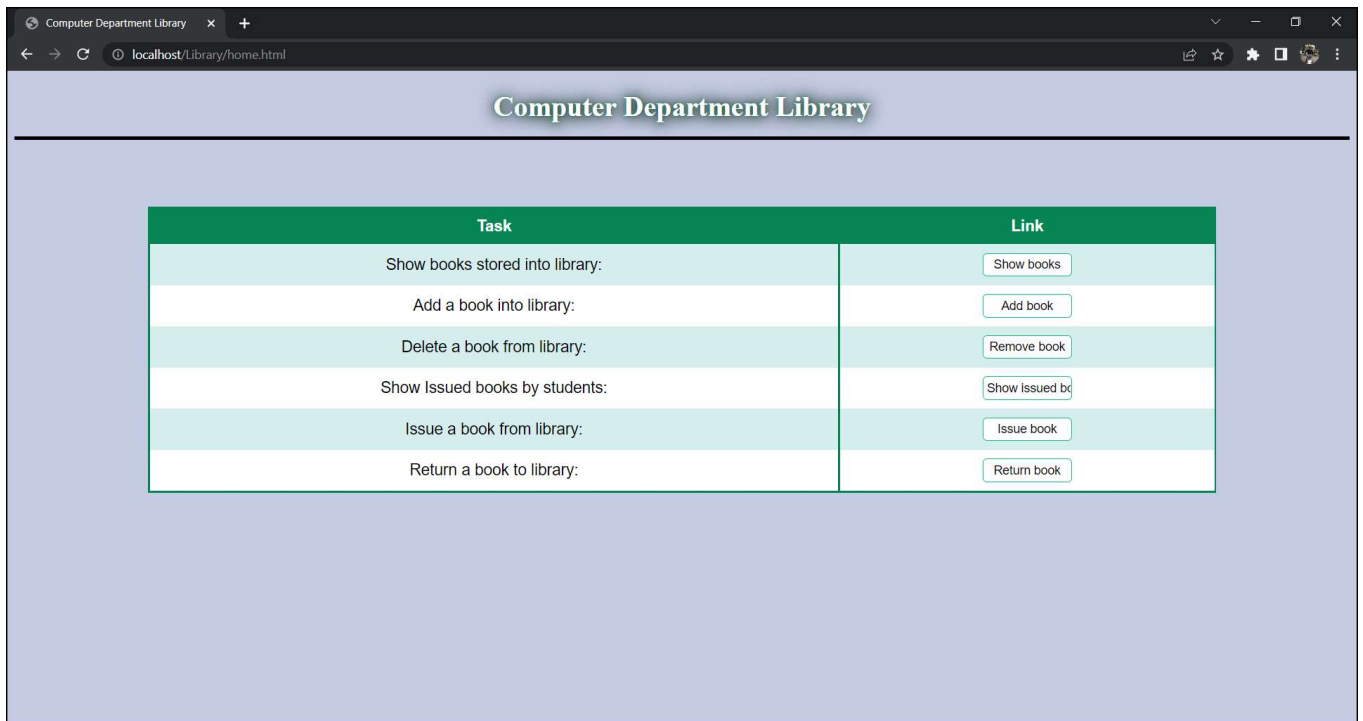
HTML: HTML stands for Hyper Text Markup Language. HTML is the standard markup language for creating Web pages. HTML describes the structure of a Web page. HTML consists of a series of elements. HTML elements tell the browser how to display the content.

CSS : cascading style sheets, fondly referred to as CSS, is a simple design language intended to simplify the process of making web pages presentable. CSS handles the look and feel part of a web page. Using CSS, you can control the color of the text, the style of fonts, the spacing between paragraphs, how columns are sized and laid out, what background images or colors are used, layout designs, variations in display for different devices and screen sizes as well as a variety of other effects. CSS is easy to learn and understand but it provides powerful control over the presentation of an HTML document. Most commonly, CSS is combined with the markup languages HTML or XHTML.

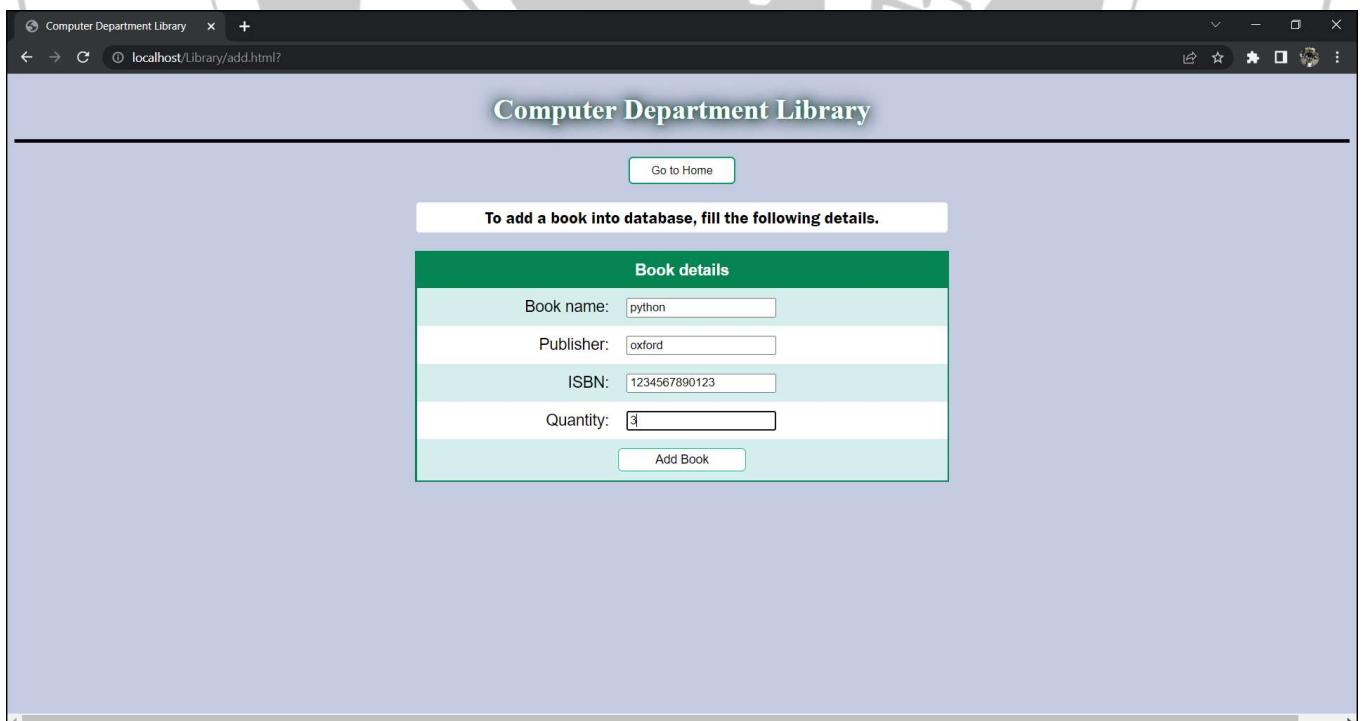
JAVASCRIPT: Client-side JavaScript is the most common form of the language. The script should be included in or referenced by an HTML document for the code to be interpreted by the browser. It means that a web page need not be a static HTML, but can include programs that interact with the user, control the browser, and dynamically create HTML content. The JavaScript client-side mechanism provides many advantages over traditional CGI server-side scripts. For example, you might use JavaScript to check if the user has entered a valid e-mail address in a form field. The JavaScript code is executed when the user submits the form, and only if all the entries are valid, they would be submitted to the Web Server. JavaScript can be used to trap user-initiated events such as button clicks, link navigation, and other actions that the user initiates explicitly or implicitly.

PHP: PHP is a recursive acronym for "PHP: Hypertext Preprocessor". PHP is a Server side scripting language that is embedded in HTML. It is used to manage dynamic content, databases, session tracking, even build entire e-commerce sites. It is integrated with a number of popular databases, including MySQL, PostgreSQL, Oracle, Sybase, Informix, and Microsoft SQL Server. PHP is pleasingly zippy in its execution, especially when compiled as an Apache module on the Unix side. The MySQL server, once started, executes even very complex queries with huge result sets in record-setting time. PHP supports a large number of major protocols such as POP3, IMAP, and LDAP. PHP4 added support for Java and distributed object architectures (COM and CORBA), making n-tier development a possibility for the first time. PHP is forgiving: PHP language tries to be as forgiving as possible.

1) ADMIN PANEL: All functionalities will be on this page.

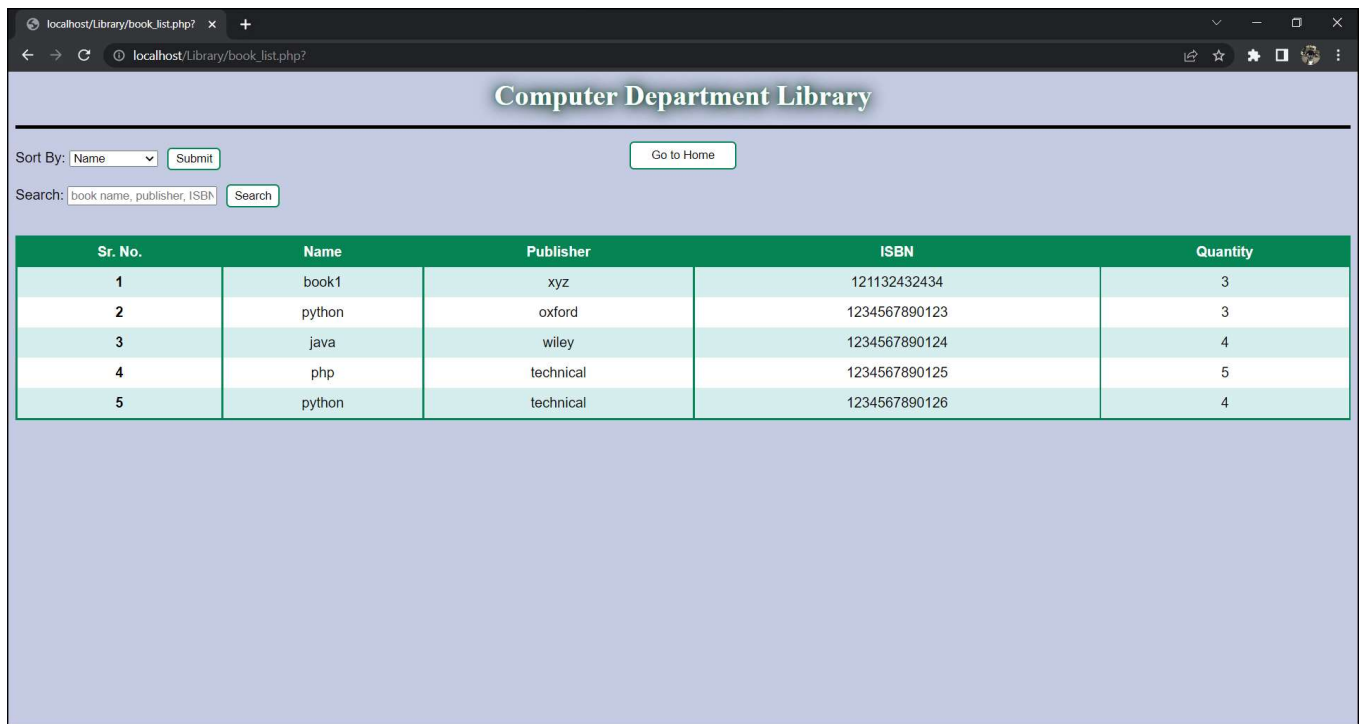


2) ADD BOOK: You can add book record into the database by entering below information.



3) SHOW BOOK LIST:

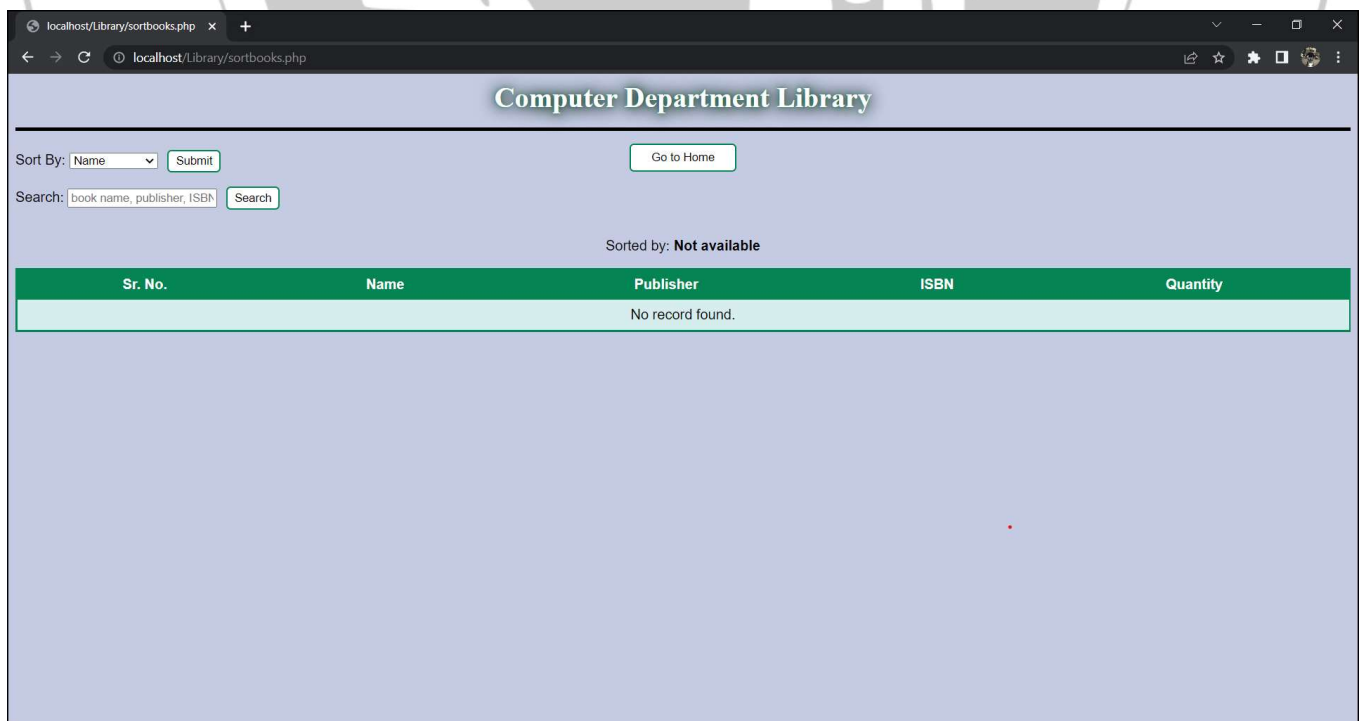
You can show the list of all books whose records are stored in the database.



Sr. No.	Name	Publisher	ISBN	Quantity
1	book1	xyz	121132432434	3
2	python	oxford	1234567890123	3
3	java	wiley	1234567890124	4
4	php	technical	1234567890125	5
5	python	technical	1234567890126	4

4) SHOW BOOKS BY SORT:

You can view books as per particular category by sorting.



Sr. No.	Name	Publisher	ISBN	Quantity
No record found.				

5) SHOW BOOKS BY SEARCH: You can search books.

localhost/Library/searchbook.php

Computer Department Library

Sort By:

Search:

Showing search result of: "o"

Sr. No.	Name	Publisher	ISBN	Quantity
1	book1	xyz	121132432434	3
2	python	oxford	1234567890123	3
3	python	technical	1234567890126	4

6) DELETE A BOOK: You can reduce quantity of a particular book or delete whole entry.

Computer Department Library

Computer Department Library

Reduce the quantity of book in database:

Reduce Quantity

Book name:

Publisher:

ISBN:

Quantity:

Delete whole entry of book in database:

Delete Book

Book name:

Publisher:

ISBN:

7) **ISSUE A BOOK:** You can store the records of students who are issuing books.

Computer Department Library

Go to Home

To issue a book fill the following details:

Student & Book details

Enrolment No:

190280107156

Student name:

kirtan vaja

Contact No:

9328131691

ISBN:

1234567890124

Issue

8) **SHOW ISSUED BOOKS:** You can view list of students who has issued books.

Computer Department Library

Sort By: Issue date Submit

Go to Home

Search: Enrolment, Book/Student no Search

Sr. No.	Enrolment No.	Student Name	Contact No.	Book Name	ISBN	Issue Date	Due Date
1	190280107156	kirtan vaja	9328131691	python	1234567890123	2022-07-25	2022-08-09
2	190280107156	kirtan vaja	9328131691	java	1234567890124	2022-07-25	2022-08-09
3	190280117123	nandini	9876543210	java	1234567890124	2022-07-25	2022-08-09
4	190280117123	nandini	9876543210	php	1234567890125	2022-07-25	2022-08-09

9) SHOW ISSUED BOOKS BY SORT: You can view book as per particular criteria.

localhost/Library/sort_student.php

Computer Department Library

Sort By:

Search:

Sorted by: **Due date**

Sr. No.	Enrolment No.	Student Name	Contact No.	Book Name	ISBN	Issue Date	Due Date
1	190280107156	kirtan vaja	9328131691	python	1234567890123	2022-07-25	2022-08-09
2	190280107156	kirtan vaja	9328131691	java	1234567890124	2022-07-25	2022-08-09
3	190280117123	nandini	9876543210	java	1234567890124	2022-07-25	2022-08-09
4	190280117123	nandini	9876543210	php	1234567890125	2022-07-25	2022-08-09

10) SHOW ISSUED BOOKS BY SEARCH: You can search particular entry.

localhost/Library/search_student.php

Computer Department Library

Sort By:

Search:

Showing search result of: **"java"**

Sr. No.	Enrolment No.	Student Name	Contact No.	Book Name	ISBN	Issue Date	Due Date
1	190280107156	kirtan vaja	9328131691	java	1234567890124	2022-07-25	2022-08-09
2	190280117123	nandini	9876543210	java	1234567890124	2022-07-25	2022-08-09

11) RETURN A BOOK: You can delete record of student when he/she returns the book.

Computer Department Library

Go to Home

If student returns a book, fill the following details.

Student & Book details	
Enrolment No:	<input type="text" value="190280107196"/>
ISBN:	<input type="text" value="1234567890123"/>
<input type="button" value="Return"/>	

Delete all records



KEY FEATURES OF THE PRODUCT

- ❖ Here the user is only the librarian.
- ❖ Easy to use, access and understand as the User Interface is very user friendly and very quick to load.
- ❖ User can add record of books into the database by entering some details of the books.
- ❖ User can delete particular record of book or can reduce the quantities of particular book or can delete all the records from database directly if needed.
- ❖ User simply can view a list of the books stored into the database or view as per some particular category by sorting or search for particular book.
- ❖ User can store the details of students who are issuing book from the library, into the database with current date and due date of 15 days automatically.
- ❖ User can view a list of students' details who has issued book with details of book and maintain availability of books.
- ❖ User can also use of sorting and searching.
- ❖ User can remove record from the database when student returns the book and also remove all the records from the database if needed.

CONCLUSION

To conclude, I feel it is important to say what I have learned throughout my project, that on whatever you are working with, it should always aim at bringing convenience and benefit to the people and potential users. And needless to say, **Department Library** is one of such projects, that taught me many things about proficiency as well as many new things of industry to which I was unknown previously.

I am grateful to say that I made a complete Department Library web site which has almost every functionality which any Library website must have, also I used PHP very efficiently to build this web site.

Department Library is everything that any Library site visitor need to have a great user Experience as well as everything that any developer should know about how to develop a professional project.

I can say this with utter confidence that, I as a computer engineer and developer have learned a lot through this **Mini Project (3170001)** and would definitely apply my learnings in my future endeavors.