Good Morning Sir/Madam,

This is Thulasi Venkata Sai,3rd year ECE, B.tech, SV College of Engineering.

Initially I am very happy that I had selected for the second round. Later on I know that to complete the task with in 1 ½ day time to complete the task-2 submission. where I was in the situation to start from the scratch to do generate a website. Actually yesterday I taught to learn the basics of Html ,CSS, JavaScript when you provided the task. Then the next day I used to start the generate the Frontend website of Library Management System. Initial time I had faced the errors when I am linking with JavaScript later some time I used present trending technology Chat-gpt to identify my errors-description ,though which help me to rectify the errors. Later on I referred some youtube videos for to perform combining the API (Library) to the design of my website. Even though I don’t anything I used to start learn on my own. I referred some articles for connecting the API. Actually from this tasks I had learnt something like Basics of Html, CSS, JavaScript , github repository updation. In these task I had used jquery and bootstrap queries which help to perform the good responsive in designing of the website.

I had done the Frontend task based on Library Management System.

Here I will provide a clear overview of what I had done in my task.

* Type book title which it helps to fetch the books from library API
* Then to add the book with book title, author, genre, year, quantity.
* Then using javascript commands I inserted the book.

In these less amount of time I had tried at my level best to give the output.

Using languages : Html, CSS, Javascript

Used sources: Library api

Here, is my task submission link: <http://venkatlibraryms.ccbp.tech>.

**Source Code:**

**Html**:

<html lang="en">

<head>

<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" integrity="sha384-JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z" crossorigin="anonymous" />

<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js" integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj" crossorigin="anonymous"></script>

<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js" integrity="sha384-9/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>

<script src="https://kit.fontawesome.com/5f59ca6ad3.js" crossorigin="anonymous"></script>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.4/jquery.min.js"></script>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-9ndCyUaIbzAi2FUVXJi0CjmCapSmO7SnpJef0486qhLnuZ2cdeRhO02iuK6FUUVM" crossorigin="anonymous">

<script src="jquery-3.6.4.min.js"></script>

<title>Library Management system</title>

</head>

<body>

<div class="container mt-5">

<h1 class="text-center mb-5">Library Management System</h1>

<input type="search" placeholder="Type book title" id="searchInput" class="mb-5 p-2" />

<div id="searchResults">

<h2 id="outputtext"></h2>

<div class="d-none spinner-border text-center" id="spinner" role="status"></div>

<ul id="resultitems" class="row d-flex flex-row"></ul>

</div>

<form action="" id="bookform">

<div class="form-group mb-3">

<label for="bookTitle">Book Title:</label>

<input type="text" id="booktitle" class="form-control" placeholder="Enter Book Title" required />

</div>

<div class="form-group mb-3">

<label for="author">Author:</label>

<input type="text" id="author" class="form-control" placeholder="Enter Author Name" required />

</div>

<div class="form-group mb-3">

<label for="genre">Genre:</label>

<input type="text" id="genre" class="form-control" placeholder="Enter Book Genre" required />

</div>

<div class="form-group mb-3">

<label for="year">Year:</label>

<input type="text" id="year" class="form-control" placeholder="Enter Publish Year" required />

<div class="form-group mb-3">

<label for="quantity">Quantity:</label>

<input type="text" id="quantity" class="form-control" placeholder="Enter Quantity" required />

</div>

<button class="btn btn-success" type="submit" id="add8tn">Add Book</button>

<button class="btn btn-warning ml-2" type="button" id="add8tn">Clear All</button>

</div>

</form>

<table>

<tr>

<th>Title</th>

<th>Author</th>

<th>Genre</th>

<th>Year</th>

<th>Quantity</th>

<th>Actions</th>

</tr>

</table>

</div>

<div class="modal fade" id="editModal">

<div class="modal-dialog">

<div class="modal-content">

<div class="modal-header">

<h4 class="modal-title">Edit Book</h4>

</div>

<div class="modal-body">

<form action="" id="editForm">

<div class="form-group mb-3">

<label for="editbookTitle">Book Title:</label>

<input type="text" id="booktitle" class="form-control" placeholder="Enter Book Title" required />

</div>

<div class="form-group mb-3">

<label for="editAuthor">Author:</label>

<input type="text" id="author" class="form-control" placeholder="Enter Author Name" required />

</div>

<div class="form-group mb-3">

<label for="editGenre">Genre:</label>

<input type="text" id="genre" class="form-control" placeholder="Enter Book Genre" required />

</div>

<div class="form-group mb-3">

<label for="edityear">Year:</label>

<input type="number" id="year" class="form-control" placeholder="Enter Publish Year" required />

<div class="form-group mb-3">

<label for="editquantity">Quantity:</label>

<input type="number" id="quantity" class="form-control" placeholder="Enter Quantity" required />

</div>

<input type="hidden" id="editBookId" />

<button class="btn btn-success" type="submit" id="editBtn">Save Changes</button>

<button class="btn btn-danger ml-2" type="button" id="clsBtn" data-dismiss="modal">Close</button>

</div>

</form>

</div>

</div>

</div>

</div>

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js" integrity="sha384-geWF76RCwLtnZ8qwWowPQNguL3RmwHVBC9FhGdlKrxdiJJigb/j/68SIy3Te4Bkz" crossorigin="anonymous"></script>

<script src="script3.js">

/script> <

script src = "https://cdnjs.cloudflare.com/ajax/libs/jquery/3.6.4/jquery.min.js"

integrity = "sha512-pumBsjNRGGqkPzKHndZMaAG+bir374sORyzM3uulLV14lN5LyykqNk8eEeUlUkB3U0M4FApyaHraT65ihJhDpQ=="

crossorigin = "anonymous"

referrerpolicy = "no-referrer" >

</script>

</body>

</html>

**CSS**:

@import url('https://fonts.googleapis.com/css2?family=Bree+Serif&family=Caveat:wght@400;700&family=Lobster&family=Monoton&family=Open+Sans:ital,wght@0,400;0,700;1,400;1,700&family=Playfair+Display+SC:ital,wght@0,400;0,700;1,700&family=Playfair+Display:ital,wght@0,400;0,700;1,700&family=Roboto:ital,wght@0,400;0,700;1,400;1,700&family=Source+Sans+Pro:ital,wght@0,400;0,700;1,700&family=Work+Sans:ital,wght@0,400;0,700;1,700&display=swap');

body {

background-color: #1d2630;

color: #fff;

}

.items {

list-style-type: none;

}

#book table {

color: #fff;

}

.modal {

color: #000;

}

**JavaScript**:

let inputEl = document.getElementById("searchInput");

let itemEl = document.getElementById("resultitems");

let loadingEl = document.getElementById("spinner");

let outputEl = document.getElementById("outputtext");

function displayResults(search) {

loadingEl.classList.add("d-none");

let {

imageLink,

author

} = search;

console.log(imageLink);

console.log(author);

let liEl = document.createElement("li");

liEl.classList.add("items", "col-12", "col-md-6", "text-center");

let imgEl = document.createElement("img");

imgEl.src = imageLink;

imgEl.classList.add("imgstyling", "w-50");

let authorEl = document.createElement("p");

authorEl.textContent = author;

authorEl.classList.add("authorname");

console.log(liEl);

liEl.appendChild(imgEl);

liEl.appendChild(authorEl);

itemEl.appendChild(liEl);

}

function displayitems(search\_results) {

for (let search of search\_results) {

displayResults(search);

}

}

function fetchitems() {

let input = inputEl.value;

let url = "https://apis.ccbp.in/book-store?title=" + input;

let options = {

method: "GET",

};

fetch(url, options)

.then(function(response) {

return response.json();

}).then(function(jsonData) {

let {

search\_results

} = jsonData;

if (search\_results.length === 0) {

outputEl.textContent = "No results found"

} else {

outputEl.textContent = "Popular Books";

displayitems(search\_results);

}

});

}

function searchitems(event) {

loadingEl.classList.add("d-none");

if (event.key === "Enter") {

loadingEl.classList.remove("d-none");

fetchitems();

}

}

inputEl.addEventListener("keydown", searchitems);

let books = [];

function addBook(book) {

let table = document.getElementById("bookTable");

table.append(`

<tr id="${book.id}">

<td>${book.title}</td>

<td>${book.author}</td>

<td>${book.genre}</td>

<td>${book.year}</td>

<td>${book.quantity}</td>

<td><button class="btn btn-sm btn-warning editBtn" data-id="${book.id}"> Edit </button></td>

<td><button class="btn btn-sm btn-danger deleteBtn" data-id="${book.id}"> Delete </button></td>

`);

}

function clearForm() {

$("#bookTitle").val("");

$("#author").val("");

$("#genre").val("");

$("#year").val("");

$("#quantity").val("");

}

function generateId() {

return Math.floor(Math.random() \* 1000000);

}

$(document).on("click", "#clearBtn", function() {

clearForm();

});

$("#bookForm").submit(function(e) {

e.preventDefault();

let book = {

id: generateId(),

title: $("#bookTitle").val(),

author: $("#author").val(),

genre: $("#genre").val(),

year: $("#year").val(),

quantity: $("#quantity").val(),

};

books.push(book);

addBook(book);

clearForm();

});

$("#editForm").submit(function(e) {

e.preventDefault();

let bookId = $("#editBookId").val();

let bookIndex = books.findIndex((book) => book.id === bookId);

let book = books[bookIndex];

book.title = $("#editBookTitle").val();

book.author = $("#editAuthor").val();

book.genre = $("#editGenre").val();

book.year = $("#editYear").val();

book.quantity = $("#editQuantity").val();

let row = $(`#${book.id}`);

row.find("td:eq(0)").text(book.title);

row.find("td:eq(1)").text(book.author);

row.find("td:eq(2)").text(book.genre);

row.find("td:eq(3)").text(book.year);

row.find("td:eq(4)").text(book.quantity);

});

let row = $(`#${book.id}`);

row.find("td:eq(0)").text(book.title);

row.find("td:eq(1)").text(book.author);

row.find("td:eq(2)").text(book.genre);

row.find("td:eq(3)").text(book.year);

row.find("td:eq(4)").text(book.quantity);

$(document).on("click", ".editBtn", function() {

let bookId = $(this).data("id");

let bookIndex = books.findIndex((book) => book.id === bookId);

let book = books[bookIndex];

$("#editbookTitle").val(book.title);

$("#editauthor").val(book.author);

$("#edityear").val(book.year);

$("#editquantity").val(book.quantity);

$("#editBookId").val(book.id);

$("#editModal").modal("show");

});