<!DOCTYPE html>

<html>

<head>

<title>Library Management System</title>

<style>

body {

font-family: Arial, sans-serif;

}

* h1 {

text-align: center;

}

.container {

max-width: 800px;

margin: 0 auto;

padding: 20px;

}

table {

width: 100%;

border-collapse: collapse;

margin-top: 20px;

}

table, th, td {

border: 1px solid #ddd;

padding: 8px;

}

th {

background-color: #f2f2f2;

}

.btn {

display: inline-block;

padding: 8px 16px;

background-color: #4CAF50;

color: white;

border: none;

cursor: pointer;

margin-top: 10px;

}

.btn:hover {

background-color: #45a049;

}

</style>

</head>

<body>

<div class="container">

<h1>Library Management System</h1>

<button class="btn" onclick="openModal()">Add Book</button>

<input type="text" id="searchInput" placeholder="Search books..." onkeyup="searchBooks()" />

<table id="bookTable">

<tr>

<th>Book Title</th>

<th>Author</th>

<th>Available</th>

<th>Action</th>

</tr>

<tr>

<td>The Catcher in the Rye</td>

<td>J.D. Salinger</td>

<td>Yes</td>

<td>

<button class="btn" onclick="borrowBook(this)">Borrow</button>

</td>

</tr>

<tr>

<td>To Kill a Mockingbird</td>

<td>Harper Lee</td>

<td>No</td>

<td>

<button class="btn" onclick="borrowBook(this)" disabled>Borrow</button>

</td>

</tr>

<!-- Add more book rows here -->

</table>

</div>

<!-- Modal -->

<div id="myModal" class="modal">

<div class="modal-content">

<span class="close" onclick="closeModal()">&times;</span>

<h2>Add Book</h2>

<form id="addBookForm">

<label for="title">Title:</label>

<input type="text" id="title" required /><br />

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

<input type="text" id="author" required /><br />

<label for="availability">Availability:</label>

<select id="availability">

<option value="Yes">Yes</option>

<option value="No">No</option>

</select><br />

<button class="btn" type="submit">Add</button>

</form>

</div>

</div>

<script>

// Open modal to add a new book

function openModal() {

document.getElementById("myModal").style.display = "block";

}

// Close modal

function closeModal() {

document.getElementById("myModal").style.display = "none";

}

// Add a new book to the table

function addBook() {

var title = document.getElementById("title").value;

var author = document.getElementById("author").value;

var availability = document.getElementById("availability").value;

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

var newRow = table.insertRow(table.rows.length);

newRow.innerHTML = `

<td>${title}</td>

<td>${author}</td>

<td>${availability}</td>

<td>

<button class="btn" onclick="borrowBook(this)">Borrow</button>

</td>

`;

closeModal();

document.getElementById("addBookForm").reset();

}

// Search books in the table

function searchBooks() {

var input = document.getElementById("searchInput").value.toUpperCase();

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

var rows = table.getElementsByTagName("tr");

for (var i = 0; i < rows.length; i++) {

var cells = rows[i].getElementsByTagName("td");

var match = false;

for (var j = 0; j < cells.length; j++) {

var cell = cells[j];

if (cell) {

if (cell.innerHTML.toUpperCase().indexOf(input) > -1) {

match = true;

break;

}

}

}

if (match) {

rows[i].style.display = "";

} else {

rows[i].style.display = "none";

}

}

}

// Borrow a book

function borrowBook(button) {

button.disabled = true;

button.innerHTML = "Borrowed";

button.classList.add("disabled");

}

// Prevent form submission and add a book

document.getElementById("addBookForm").addEventListener("submit", function (event) {

event.preventDefault();

addBook();

});

</script>

</body>

</html>