

```
<!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>
      </form>
    </div>
  </div>

```

```

        </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>

```