

GYM MANAGEMENT SYSTEM

Project Report

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The *Gym Management System* is a web-based application developed using HTML, CSS, and JavaScript. The main objective of this project is to simplify gym operations by allowing easy management of member details, billing records, and payment tracking. The system provides features to add new members, display a list of existing members, and create bills with due dates. It also helps in organizing member information efficiently without the need for manual records.

This project demonstrates basic front-end development skills using simple form handling, dynamic table updates, and local data storage through JavaScript. The interface is clean, responsive, and easy to use, making it suitable for small gyms or as a beginner-level web project.

Source Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Gym Management System</title>
<style>
body {
  font-family: Arial, sans-serif;
  background: #f4f7fb;
  margin: 0;
  padding: 20px;
}

h1 { text-align: center; color: #2b6cb0; }

.container {
  max-width: 800px;
  margin: auto;
  background: #fff;
  padding: 20px;
  border-radius: 10px;
}

input, select, button {
  padding: 8px;
  margin: 5px 0;
  width: 100%;
```

```
border-radius: 5px;
border: 1px solid #ccc;
}
```

```
table {
width: 100%;
border-collapse: collapse;
margin-top: 10px;
}
```

```
th, td {
border: 1px solid #ddd;
padding: 8px;
text-align: left;
}
```

```
th {
background: #2b6cb0;
color: white;
}
```

```
button {
background: #2b6cb0;
color: white;
border: none;
cursor: pointer;
}
```

```
button:hover { background: #1e4f8f; }
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<h1>Gym Management System</h1>
```

```
<div class="container">
```

```
<h3>Add Member</h3>
```

```
<input type="text" id="name" placeholder="Enter name">
```

```
<input type="text" id="phone" placeholder="Enter phone number">
```

```
<select id="package">
```

```
<option value="Monthly">Monthly - 1000</option>
```

```
<option value="Quarterly">Quarterly - 2700</option>
```

```
<option value="Yearly">Yearly - 10000</option>
```

```
</select>
```

```
<button onclick="addMember()">Add Member</button>
```

```
<h3>Members List</h3>
```

```
<table id="memberTable">
```

```
<thead>
```

```

    <tr><th>Name</th><th>Phone</th><th>Package</th></tr>
  </thead>
  <tbody></tbody>
</table>

```

```

<h3>Create Bill</h3>
<select id="billMember"></select>
<input type="number" id="amount" placeholder="Enter amount">
<input type="date" id="date">
<button onclick="createBill()">Add Bill</button>

```

```

<h3>Billing Records</h3>
<table id="billTable">
  <thead>
    <tr><th>Member</th><th>Amount</th><th>Due Date</th></tr>
  </thead>
  <tbody></tbody>
</table>
</div>

```

```

<script>
let members = [];
let bills = [];

```

```

// Add Member
function addMember() {
  const name = document.getElementById('name').value;
  const phone = document.getElementById('phone').value;
  const pack = document.getElementById('package').value;
  if (!name || !phone) return alert('Please fill all fields');
  members.push({name, phone, pack});
  updateMembers();
  updateBillMembers();
  document.getElementById('name').value = "";
  document.getElementById('phone').value = "";
}

```

```

// Update Members Table
function updateMembers() {
  const tbody = document.querySelector('#memberTable tbody');
  tbody.innerHTML = "";
  members.forEach(m => {
    const row = `<tr><td>${m.name}</td><td>${m.phone}</td><td>${m.pack}</td></tr>`;
    tbody.innerHTML += row;
  });
}

```

```

// Update Bill Dropdown
function updateBillMembers() {
  const select = document.getElementById('billMember');
  select.innerHTML = "";
  members.forEach(m => {
    const opt = document.createElement('option');
    opt.value = m.name;
    opt.textContent = m.name;
    select.appendChild(opt);
  });
}

// Create Bill
function createBill() {
  const member = document.getElementById('billMember').value;
  const amount = document.getElementById('amount').value;
  const date = document.getElementById('date').value;
  if (!member || !amount || !date) return alert('Please fill all fields');
  bills.push({member, amount, date});
  updateBills();
  document.getElementById('amount').value = "";
  document.getElementById('date').value = "";
}

// Update Bills Table
function updateBills() {
  const tbody = document.querySelector('#billTable tbody');
  tbody.innerHTML = "";
  bills.forEach(b => {
    const row = `<tr><td>${b.member}</td><td>${b.amount}</td><td>${b.date}</td></tr>`;
    tbody.innerHTML += row;
  });
}
</script>
</body>
</html>

```


