

Employee Management System

Employee Management System

Add Record

Add

All Employees

ID	Name	Position	Department	Salary
E2342	Felix Diune Aquino	Web Developer	Information Technology	P50000
E2343	Josh Andre Teves	Web Developer	Information Technology	P55000
E2344	Charles Jared Cuenca Sajota	Webdev	IT	P60000
E2345	Princess Sophia Gutierrez	Web Developer	Information Technology	P65000

Search / Update / Delete

Search Screen (Not Found)

Search Result

No employee found with that ID.

[← Back to Home](#)

Search Screen (Found)

Search Result

E2343
Josh Andre Teves
Web Developer
Information Technology
55000

Update

[← Back to Home](#)

Server.js

```
D: > BIT35 > Aquino > EA6 > JS server.js > ...
1  const express = require('express');
2  const { MongoClient, ObjectId } = require('mongodb');
3  const bodyParser = require('body-parser');
4  const path = require('path');
5
6  const app = express();
7  const port = 3000;
8  const mongoUrl = 'mongodb://127.0.0.1:27017';
9  const dbName = 'ea6db';
10 let db;
11
12 // Middleware
13 app.use(bodyParser.urlencoded({ extended: true }));
14 app.use(express.static(path.join(__dirname, 'public')));
15 app.set('view engine', 'ejs');
16 app.set('views', path.join(__dirname, 'views'));
17
18 // Connect to MongoDB
19 MongoClient.connect(mongoUrl).then(client => {
20   db = client.db(dbName);
21   console.log('✅ Connected to MongoDB');
22 }).catch(err => console.error('❌ DB Connection Error:', err));
23
24 // 🏠 Home page - Add employee form and list
25 app.get('/', async (req, res) => {
26   const employees = await db.collection('employees').find().toArray();
27   res.render('index', { employees });
28 });
29
30 // ➕ Add new employee
31 app.post('/add', async (req, res) => {
32   const { empid, empname, position, department, salary } = req.body;
33   await db.collection('employees').insertOne({ empid, empname, position, department, salary: parseFloat(salary) });
34   res.redirect('/');
35 });
36
37 // 🔍 Search by empid
38 app.post('/search', async (req, res) => {
39   const { empid } = req.body;
40   const employee = await db.collection('employees').findOne({ empid });
41   res.render('search', { employee });
42 });
43
44 // 🔄 Update employee
45 app.post('/update', async (req, res) => {
46   const { empid, empname, position, department, salary } = req.body;
47   await db.collection('employees').updateOne(
48     { empid },
```

Server.js (cont.)

```

47   await db.collection('employees').updateOne(
48     { empid },
49     { $set: { empname, position, department, salary: parseFloat(salary) } }
50   );
51   res.redirect('/');
52 });
53
54 // 🗑 Delete employee
55 app.post('/delete', async (req, res) => {
56   const { empid } = req.body;
57   await db.collection('employees').deleteOne({ empid });
58   res.redirect('/');
59 });
60
61 app.listen(port, () => {
62   console.log(`🚀 App running at http://localhost:${port}`);
63 });
64

```

Index.ejs

```

D:\> BIT35 > Aquino > EA6 > views > <> index.ejs > html > body > form > br
1   <!DOCTYPE html>
2   <html>
3   <head>
4     <title>EA6 Employee Management</title>
5     <link rel="stylesheet" href="/style.css">
6   </head>
7   <body>
8     <h1>👤 Employee Management System</h1>
9
10    <h2>Add Record</h2>
11    <form action="/add" method="POST">
12      <input name="empid" placeholder="Employee ID" required><br>
13      <input name="empname" placeholder="Name" required><br>
14      <input name="position" placeholder="Position" required><br>
15      <input name="department" placeholder="Department" required><br>
16      <input name="salary" placeholder="Salary" required><br>
17      <button type="submit">Add</button>
18    </form>
19
20    <h2>All Employees</h2>
21    <table border="1" cellpadding="5">
22      <tr>
23        <th>ID</th><th>Name</th><th>Position</th><th>Department</th><th>Salary</th>
24      </tr>
25      <% employees.forEach(emp => { %>
26        <tr>
27          <td><%= emp.empid %></td>
28          <td><%= emp.empname %></td>
29          <td><%= emp.position %></td>
30          <td><%= emp.department %></td>
31          <td><%= emp.salary %></td>
32        </tr>
33      <% }) %>
34    </table>
35
36    <h2>Search / Update / Delete</h2>
37    <form action="/search" method="POST">
38      <input name="empid" placeholder="Enter Employee ID to Search" required>
39      <button type="submit">Search</button>
40    </form>
41    <form action="/delete" method="POST">
42      <input name="empid" placeholder="Enter Employee ID to Delete" required>
43      <button type="submit">Delete</button>
44    </form>
45  </body>
46  </html>
47

```

Search.ejs

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Search Result - EA6</title>
5   <link rel="stylesheet" href="/style.css">
6 </head>
7 <body>
8   <h1>🔍 Search Result</h1>
9
10  <% if (employee) { %>
11    <form action="/update" method="POST">
12      <input name="empid" value="<%= employee.empid %>" readonly><br>
13      <input name="empname" value="<%= employee.empname %>" required><br>
14      <input name="position" value="<%= employee.position %>" required><br>
15      <input name="department" value="<%= employee.department %>" required><br>
16      <input name="salary" value="<%= employee.salary %>" required><br>
17      <button type="submit">Update</button>
18    </form>
19  <% } else { %>
20    <p>No employee found with that ID.</p>
21  <% } %>
22
23  <br><a href="/">🏠 Back to Home</a>
24 </body>
25 </html>
26
```

CSS

```
1 body {
2   font-family: Arial, sans-serif;
3   text-align: center;
4   background-color: #f4f4f4;
5   padding: 20px;
6 }
7
8 input {
9   margin: 5px;
10  padding: 5px;
11  width: 200px;
12 }
13
14 button {
15   padding: 8px 12px;
16   margin-top: 10px;
17   background-color: #3498db;
18   color: white;
19   border: none;
20   cursor: pointer;
21 }
22
23 table {
24   margin: 20px auto;
25   border-collapse: collapse;
26   width: 80%;
27   background-color: white;
28   box-shadow: 0 0 10px rgba(0,0,0,0.1);
29 }
30
31 th, td {
32   padding: 10px;
33   border: 1px solid #ccc;
34 }
35
36 h1, h2 {
37   color: #2c3e50;
38 }
39
```