# **User Manual**

## **Web Server Deployment Instructions**

### **Prerequisites**

* Ensure you have Node.js and MongoDB installed on your system.

### **Steps**

1. **Clone the Repository:**
   * Clone the project repository to your local machine.

git clone <repository-url>

1. **Navigate to the Project Directory:**
   * Open your terminal and navigate to the project directory.

cd <project-directory>

1. **Install Dependencies:**
   * Install all necessary dependencies using npm.

npm install

1. **Start MongoDB Server:**
   * Ensure that the MongoDB server is running.

mongodb

1. **Start Node.js Server:**
   * Start the Node.js server.

node index.js

* + For nodemon:

nodemon index.js

### **Web Application Access Instructions**

**1.Open Web Browser:**

* + Open your preferred web browser.

**2.Navigate to the Application:**

* + Enter the following URL in the address bar:

<http://localhost:8080>

### **Client Requirements Met**

**Data Management:**

* + Employee data is saved, updated, and retrieved from MongoDB.

### **Troubleshooting Guide**

#### **Common Issues and Solutions**

* **Server Not Starting:**
  + Ensure that the MongoDB server is running by executing mongod in a separate terminal window.
  + Check for any errors in the terminal and resolve them (e.g., port conflicts, missing environment variables).
* **Network Error:**
  + Verify that the server is running and accessible at <http://localhost:8080>.
  + Ensure there are no CORS issues by checking the server configurations.
* **Cannot Connect to MongoDB:**
  + Ensure MongoDB is installed and running.
  + Check the connection string in your index.js file to ensure it matches your MongoDB configuration.