

# Test Case: Create an Organization Tree Structure (Web App)

**Duration:** 1-2 days

**Scenario:**

As a full-stack developer, you are tasked to implement and Add Employee Details, and Assign them under their senior manager/reporting manager and show all the employees in Organization Tree Structure format.

Example Image -



**Frontend** - Use Angular in Front end

1. Create a view for showing the Employees organization tree structure and provide a button - Add Employee (add an employee details).

2. Clicking on the Add Employee button will open an Employee Detail form in POP and require user to enter the following details.
  - a. Employee Image (Supported file formats - **Png, JPG, JPEG**, Max Size - **1MB**)
  - b. Employee Name
  - c. Designation
  - d. Date of Birth
  - e. Years of experience
  - f. Reporting manager (dropdown will show list of employees present in database)
3. After adding employee details, employees should be present in the organization tree.
4. Utilize state management (e.g., Redux).
5. Implement basic form validation.
6. Integrate with a RESTful API for data fetching (a backend provided separately) and proper error handling.

#### **Backend- Use Dot Net in backend**

1. Create a respective APIs for adding employee details in database and Getting Organization tree response.
2. Include validation and error handling.
3. Utilize a database (e.g. SQL) for data storage.

#### **After finishing practical test:**

- Both frontend and backend files in separate folders and send in a zip file
- Explain folder structure and coding design pattern in a text file