People Management System

**Overview**

People Management System (PMS) is a single page angular application. It contains information related to the departments and employees belonging to that departments. User can use drag and drop functionality to dynamically change the department of any employee.

**Technologies Used**

Angular – 11.0.1, HTML, CSS

**Environment Setup**

Following are the software pre-requisites to work with PMS app.

* Node.js
* NPM package manager
* Angular CLI (@angular/cli)

**Getting Started**

To build and serve the PMS app locally follow the steps given below: -

1. Clone the repository
2. Navigate to the workspace folder
3. Run the following command
4. It will open your web browser to <http://localhost:4200/>. Now you can use PMS App.

To execute all unit test cases, use the following command. It will show the output in the terminal and also opens a web browser to display the test output in the ‘Jasmine HTML Reporter’ format.



**Design/Architecture**

Main Department

Sub-Department 1

Sub-Department n

Sub-Department 2

Emp 1

Emp 2

.

Emp N

E

Emp 1

Emp 2

.

Emp N

E

Emp 1

Emp 2

.

Emp N

E

**Mock-Ups (test-data)**

The app contains dummy list of employees and departments. These lists are considered as mock-ups for the rest-api. Navigate to app/mock-employees.ts to add or remove employees from the list and app/mock-departments.ts to change the departments list.

**Components**

Departments: - Display all the departments from the given mock-departments list.

Employees: - Displays all the employees categorically based on their departments

Employee-details: - Displays employee details of selected employee.

**Test Cases**

Following screenshot demonstrates all unit test cases of PMS app according to their component.

