

PRODUCT REQUIREMENTS

Business Requirements:

- Dynamic data loading using REST API
- Angular 10 to develop the website for People Management System
- Drag and drop functionality for Employee change amongst different Departments
- Update the data in the Database for stored employee as per the newly created Data.

Technical Requirements:

- Angular – Angular CLI | Material UI | Bootstrap | Angular Material (Tree and Drag and Drop)
- Node.js
- Express.js
- MongoDB Atlas
- Visual Studio Code
- GitHub
- Heroku – Deploy Back-end
- Netlify – Deploy Front-end
- Chrome – Browser [Any browser as per system] | Developer tools
- Node Modules

Necessary commands:

- `ng new name_Of_The_Angular_Project` | To set-up new Angular Project
- `ng g c name_of_component` | To create new Component
- `ng serve` | To start the project on localhost: 4200
- `npm start` | To start the node back-end on localhost:3000
- `npm install` | To install the project dependencies.

Project Structure:

Angular:

Components: Header | Footer | Home | Manage

Service: Department service

Model: Department Tree Model | **Keys:** Name, Children (Optional), List of Employee (Optional)

Back-end:

Routes: DepartmentInfo.js | Router to get and Put request

Model: Department model | Mongoose schema