Front End Project in Angular

The goal is to build a RESTful web application from scratch using edge technologies and best practices.

Project description

Nowadays, most companies are giving devices (e.g., Laptops, Tablets, mobile phones) to their employees. Each employee can have more than one device. One device belongs only to one employee. We need to have a device inventory where the company admins can manage the fleet of the company devices. We must provide a global solution where each company can use to manage their devices. The user should be able to enable (e.g. through a toggle button) a side menu ("e.g. user details") that will be allow her to select an employee and view the list of employee's devices. This list should be automatically updated as soon as a new device is being assigned to/removed from this employee. Furthermore, unit test cases should be written to see if individual parts of an application are working correctly.

Basic entities:

Employees

The employees are unique records in the company. An employee can have zero or many devices for example mobile, laptop, notebook. *Note: There is no need for authorization at any point.*

Properties

- id: int
- name: string (3-255)
- email: string

Devices

Every device has a unique serial number and belongs to only one employee.

Properties

- serial-number: string (1-255)
- description: string (1-255)
- type: int

Project requirements

- View insert update and delete employees.
- View insert update and delete devices.

- Assign a device to an employee.
- View employee details including his/her number of devices.

API

Employees

- GET /employees
- GET /employee/{id}
- POST /employee
- PUT /employee/{id}
- DELETE /employee/{id}

Devices

- GET /devices
- GET /device/{id}
- POST /device
- PUT /device/{id}
- DELETE /device/{id}