

Capstone project for Junior Angular developers.

By George Malandris

How to run the app:

After you download the ZIP file of the project run 'npm install' in the project directory.

After installation run 'ng serve' and open 'http://localhost:4200/'.

Choose the database you want to work with and submit.

Notes:

There are three different databases for the different mentors and the program instructor, with the same initial data.

The employee ID is set from the backend. The next ID is held in the database and it is updated after a new employee is added.

The device serial number is set by the user. The uniqueness of the serial number is validated in the form.

When a device or an employee is deleted, if there is a connection (employee - device), the user is asked if he wants to enable cascade delete.

Database used: Firebase – Realtime Database (test mode)

The starting data for the three databases can be found in the file 'capstoneDB-initialize.json'.

Unit Tests:

To run the test run 'ng test' in the project directory.

Indicative Tests:

'Should be created' for all components, services and classes.

EmployeeListComponent:

- The event emitters send the proper data.
- The input values are updated when parent's data change.
- The component renders all the data of the list.
- The component renders the updated data when parent's data change.

EmployeeComponent

- The component gets the proper data from the service.
- The component updates its data when the service's data change.

AppComponent

- Added a test div in the html for testing the app creation.