Execution Instructions

GitHub Link: https://github.com/Senali-perera/TypeScript_Angular_Assignment

Prerequisites

1. Node 18.16.1
2. Npm 9.5.1
3. Web browser (Google Chrome)

Assignment 1

1. Check out the project from the above URL.
2. Goto **TypeScript_Angular_Assignment-main/Assignment1/**
3. Execute following command in a terminal

   npm install

   This will make sure the typescript dependency is installed successfully.

4. Then after node_modules are installed execute the following command in a terminal being in the same directory.

   npx tsc

   This will compile the TypeScript files to JavaScript files allowing us to run.

5. After assignment1.js file is created, execute the following command in a terminal.

   node assignment1.js

   This should display the results in the console.

Assignment 2

1. Check out the project from the above URL if you haven't already.
2. Goto **TypeScript_Angular_Assignment-main/assignment2/**
3. Execute following command in a terminal

   npm install

This will make sure all the node modules are installed successfully.

4. Then after node_modules are installed execute the following command in a terminal being in the same directory.

```
npm start
```

This will start up the application in http://localhost:4200/

Unit Tests

1. After executing above step 1 - 3, execute the following command.

```
npm run test
```

This will run all the unit tests and a report should be displayed

E2E Tests

1. After executing above step 1 - 3, execute the following command.

```
npm run cypress:open
```

Cypress will open up.

2. Click on "E2E Testing".
3. Select a browser (Google chrome is preferred) and click start E2E testing.
4. The E2E test will be displayed.
5. Select on the test and execute.