# README #

### Installation

The frontend is generated with [Angular CLI](https://github.com/angular/angular-cli).

This project uses the [MEAN stack](https://en.wikipedia.org/wiki/MEAN\_(software\_bundle)):

\* [\*\*M\*\*ongoose.js](http://www.mongoosejs.com) ([MongoDB](https://www.mongodb.com)): database

\* [\*\*E\*\*xpress.js](http://expressjs.com): backend framework

\* [\*\*A\*\*ngular 2+](https://angular.io): frontend framework

\* [\*\*N\*\*ode.js](https://nodejs.org): runtime environment

Other tools and technologies used:

\* [Angular CLI](https://cli.angular.io): frontend scaffolding

\* [Bootstrap](http://www.getbootstrap.com): layout and styles

\* [JSON Web Token](https://jwt.io): user authentication

## Prerequisites

1. Install [Node.js](https://nodejs.org)

2. Install Angular CLI: `npm i -g @angular/cli`

3. From project root folder install all the dependencies: `npm i`

#### Clone the project and install local dependencies:

\* Clone the repository : `git clone https://github.com/MounikaBatthina/gridiumCodeChallenge.git`

\* Change to the project base directory: `cd gridiumCodeChallenge`

\* Install node local modules: `npm install`

\* Install front-end dependencies: `bower install`

### Usage ###

To run the code, note that changes in the back and front-end code will be reflected when utilising this command:

\* `node app.js`

\* Naviate to `http://localhost:3000/` in a browser to view the app.

\* Choose the year for Utility Meter Readings

\* Hover over the bar to see details such as initial and closing dates, cost in dollars, peak (highest amount used, in kW), and use in kWh .

###Result###

