# OpenSponsor

This project was generated with [Angular CLI](https://github.com/angular/angular-cli) version 11.2.5.

## Local install directions

Download or clone the repository onto your local machine. - You will want to install MongoDB locally if you do not have it already. You can do that here https://www.mongodb.com/. The base configuration expects MongoDB to be available on port 27017, so if you are running MongoDB on a different port please update the ./config/database.js file mongodb://localhost:27017/open-sponsor. - You will also need node.js for both the backend and the node package manager aka. npm. Instructions on their installation can be found here https://nodejs.org/en/. You will then run npm install which will download the required dependencies. - Starting the backend will require you to navigate to ./open-sponsor and run node app in the command line. You will get the following messages in terminal if the backend is connected and ready to go.

Server started on port 3000  
Connected to database mongodb://localhost:27017/open-sponsor

* Starting the frontend will require you to open another terminal window and navigate to ./open-sponsor/src and run the angular command ng serve -o which will open the project web application in your default browser in a new window.
* This is to run a local development version of the application where you will have a MongoDB service available on port 27017, a backend at localhost:3000, and the frontend at localhost:4200.

## Development server

Run ng serve for a dev server. Navigate to http://localhost:4200/. The app will automatically reload if you change any of the source files.

## Code scaffolding

Run ng generate component component-name to generate a new component. You can also use ng generate directive|pipe|service|class|guard|interface|enum|module.

## Build

Run ng build to build the project. The build artifacts will be stored in the dist/ directory. Use the --prod flag for a production build.

## Running unit tests

Run ng test to execute the unit tests via [Karma](https://karma-runner.github.io).

## Running end-to-end tests

Run ng e2e to execute the end-to-end tests via [Protractor](http://www.protractortest.org/).

## Further help

To get more help on the Angular CLI use ng help or go check out the [Angular CLI Overview and Command Reference](https://angular.io/cli) page.

#### MEAN Stack Components

* Backend – Node.js / Express
* Token Generation & Authentication
* CORS
* Mongoose ODM
* Angular 2 / Angular-CLI
* Angular Router, HTTP Module
* Angular2-JWT
* Auth Guard
* Angular Flash Message Module
* Compile & Deploy

#### Links

* https://nodejs.org/en/
* https://expressjs.com/
* https://www.mongodb.com/
* https://mongoosejs.com/
* https://www.npmjs.com/package/bcryptjs
* http://www.passportjs.org/packages/passport-jwt/