# **Implementation**

### Pre-setup installs

Before you can implement this app make sure you have the following programs. Follow the guides below before you move onto the setup stage.

NPM/Node.js - <https://www.freecodecamp.org/news/how-to-install-node-js-and-npm-on-windows-2/>

MySQL Workbench - <https://www.simplilearn.com/tutorials/mysql-tutorial/mysql-workbench-installation>

VS Code (or any other code editor) - <https://code.visualstudio.com/>

### Setup

To setup this app follow the steps described below:

1. Clone the following repository (<https://github.com/angadvad/Capstone>) or download it from that link.
2. Enter the frontend folder and type in the command below. This will install all the required libraries for the front end to function



npm init --yes

npm install react mui axios json-server-auth jwt-decode react-chartjs-2 chart.js tw-elements @mui/icons-material

1. Go to the backend folder and type in the command below to download necessary libraries

Text

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npm init –yes

npm install bcrypt cookie-parser cors dotenv express jsonwebtoken mysql2 sequelize

Create a .env file and input these values in the file

ACCESS\_TOKEN\_SECRET = jsfgfjguwrg8783wgbjs849h2fu3cnsvh8wyr8fhwfvi2g225

REFRESH\_TOKEN\_SECRET = 825y8i3hnfjmsbv7gwajbl7fobqrjfvbs7gbfj2q3bgh8f42

Graphical user interface, application

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1. Open MySQL Workbench and start a local instance
2. Go to Server -> Data Import and import the sql script file
3. Run the script file, you should see a database structure like the one below



Graphical user interface, text, application

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1. Open up Database.js located in directory Capstone/backend/config/ and update the ‘user’ and ‘password’ fields to the fields that you’d enter when starting up your SQL service

Graphical user interface, application

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A screenshot of a computer

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### Running the App

To run the app create 2 powershell instances (gitbash, cmd termial or any other terminal will work also).

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In the first instance of powershell cd into the frontend folder and type npm start. In the second instance of powershell cd into the backend folder and type npm start.

Congrats! The application should be running in your localhost:3000 port. Open up your internet browser and you should see the react app.

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