Instructions to Building Project *Angle*

GITHUB LINK: https://github.com/nanarboursal/Angle

Prerequisites

Steps

1. Install `git` using this link:

    a. https://github.com/git-guides/install-git

2. Install `node v16+` using this link:

    a. https://nodejs.org/

3. Install `python v3+` using this link:

    a. https://www.python.org/downloads/

Cloning the Project

Options

1. Unzip the provided folder with the source code and open in your code editor.

2. Clone the repository from Github, with the steps shown below.

Steps

1. Go to the following link: https://github.com/nanarboursal/Angle

2. Open the terminal on your computer and run:

    ```
    git clone https://github.com/nanarboursal/Angle.git
    ```

    in the folder of your choice.

3. Open the newly cloned project in your code editor.

Setting Up the Backend

Steps

1. Run the command `cd angle/` in your terminal.

2. Run the command `python3 -m venv env` in your terminal.

3. Run the command `source env/bin/activate` in your terminal.

4. Install all dependencies by running `pip install -r requirements.txt` in your terminal.

5. Once all of the dependencies have been downloaded, run `python3 app.py` in your terminal. If everything worked properly, the terminal should look as it does below.

```
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: off
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
```

Setting Up the Frontend

Steps

1. While the backend terminal is still running, open another terminal. If your terminal is still located in the folder `angle/`, run the command `cd .. && cd angle-ui/` to enter the frontend folder. If your terminal is located in the folder `Angle/`, run the command cd `angle-ui/`.

2. Install all dependencies by running `npm install` in your terminal. All dependencies are located `package.json` in the `angle-ui/` folder, and those are the dependencies that will be installed.

3. Once all of the dependencies have been downloaded, run `npm start` in your terminal.

    If everything worked properly, the terminal should look as it does below.

    ```
    Compiled successfully!

    You can now view client-app in the browser.

      Local:            http://localhost:3000
      On Your Network:  http://172.16.2.60:3000

    Note that the development build is not optimized.
    To create a production build, use npm run build.
    ```

4. The project should be running on `localhost:3000` when all of the previous steps

    have been completed.