

# How to run the app locally

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**First**, run these commands in terminal:

## Step 1:

```
git clone [repository-url]
```

## Step 2:

```
cd [local-repository]
```

## Step 3:

- install VS Code or other preferred IDE

install following frameworks and packages, and DB:

- Node.js + React.js
- Python 3.8 + Django
- Cypress
- PostgreSQL

# For back-end, carry out the following steps:

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## Step 1:

### Linux

```
virtualenv env --no-site-packages
```

```
source env/bin/activate
```

### Windows

```
py -m venv afm
```

```
afm\Scripts\activate.bat
```

## Step 2:

Install the project dependencies:

```
pip install djangorestframework
pip install markdown           # Markdown support for the browsable API.
pip install django-filter      # Filtering support
pip install django-cors-headers
```

## Step 3:

create a postgres db with the following settings:

```
DATABASES = {
    "default": {
        "ENGINE": "django.db.backends.postgresql",
        "NAME": "text",
        "USER": "postgres",
        "PASSWORD": "postgres",
        "HOST": "127.0.0.1",
        "PORT": "5432",
    }
}
```

## Step 4:

Run these commands in terminal:

```
python manage.py migrate

python manage.py createsuperuser      # create admin account

python manage.py makemigrations server # makemigrations for the app

python manage.py migrate              # run again

python manage.py runserver            # start the development server
```

## Step 5:

open `localhost:8000` on your browser to view the app

## For front-end, carry out the following steps:

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### Step 1:

Check `package.json` file and ensure scripts are notated as below:

```
"scripts": {  
  "start": "react-scripts start",  
  "build": "react-scripts build",  
  "test": "react-scripts test",  
  "test:cov": "npm test -- --coverage --watchAll=false",  
  "test:debug": "react-scripts --inspect-brk test --runInBand",  
  "eject": "react-scripts eject"  
},
```

### Step 2:

Delete the `node_modules` folder and any 'lock' files, such as `yarn.lock` or `package-lock.json` if present.

### Step 3:

Run these commands in terminal:

```
npm install
```

**Optional:** In case of issues shown after `npm install`, run the below to automatically fix the issues:

```
npm audit fix
```

Alternatively, use the below to see the errors:

```
npm audit
```

### Step 4:

```
npm start
```

## Step 5:

open `localhost:3000` on your browser to view the app

## Debugging

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If the following error arises:

`[WinError 10053] An established connection was aborted by the software in your host machine`

Run this command in cmd

```
cmd.exe /c chcp 1252
```