

Backend Configuration

Step 1: Set up virtual environment

First, we install the virtual environment using pip. Then created a virtual environment. You can create it anywhere in your system. At last, activate the environment.

```
pip install virtualenv
virtualenv backend
backend\scripts\activate
```

Step 2: Download and Install packages

Using pip install the dependency packages mentioned in "requirements.txt" required to run the project

```
cd backend
pip install -r requirements.txt
```

Step 3: Create Postgresql Database and configure the settings

1. Install Postgres : <https://phoenixnap.com/kb/install-postgresql-windows>
2. Create new Database from command line or any DB editor

```
CREATE DATABASE electricity_applications;
```

Step 4: Open "backend/eletricityApplication/settings.py" in any code editor and update

database settings as mentioned below

```
DATABASES = {
    'default': {
        'ENGINE': 'django.db.backends.postgresql',
        'NAME': 'electricity_applications',
        'USER': '<Enter your Username>',
        'PASSWORD': '<Enter your Password>',
        'HOST': 'localhost',
        'PORT': '5433', # or 5432 depend upon the local config
    }
}
```

Step 5: Make Migration to create table in Database

Run the below command to create tables

```
pip manage.py makemigrations
pip manage.py migrate
```

Step 6. Upload data to the table

Create one migration script "backend/load_csv_data/load_csv_data.py" to upload the shared csv file in database tables . To run below commands need to executed

```
python manage.py runscript load_csv_data/load_csv_data.py
```

Step 7. Run the Backend Server

Execute below command to run the server

```
python manage.py runserver
```

Frontend Configuration

Step 1: Install Node.js

Download link : <https://nodejs.org/en/download/>

Step 2. Navigate to frontend code in "frontend\argon-dashboard-react-master" directory

```
cd frontend\argon-dashboard-react-master
```

Step 3. Install node modules using package.json

```
npm i  
or  
npm i --force
```

Step 4: Start React App

```
npm start
```

Start 5: Validate the app is running in browser in location "[**http://localhost:3000/admin/index**](http://localhost:3000/admin/index)**"**