# CompareSchema Setup - POSTGRES (POC demo)

## Python Setup

* Install Python
* Install from requirements.txt OR
  + **pip install pandas**
  + **pip install python-dotenv**
  + **pip install openpyxl**
  + **pip install psycopg[binary]**
  + **pip install django**
  + **pip install djangorestframework**
  + **pip install django-cors-headers**
* Create <BASE> folder
* Create <BASE>/Backend folder
* Go to <BASE>/Backend folder
* **djangoadmin startproject API**
* **djangoadmin startapp SchemaCheck**
* Download zipped file from GitHub <https://github>.com/arccons/CompareSchema
* Extract contents of CompareSchema-main folder into <BASE> folder. This will overwrite the appropriate files.

## Database Setup

* Install PostgreSQL
* Run POSTGRES Database Script: SUBJECTS-POSTGRES.sql from <BASE>/DB folder
* Create .env file in <BASE>/Backend folder
* Copy contents from .env.pgsql into .env, and update DB information

## Frontend Setup

* Install node.js
* Go to <BASE> /Frontend
* **npm install**

## Run Servers

* In <BASE>/Backend/API folder: Run the application server (**python manage.py runserver**)
* In <BASE>/Frontend folder: **npm start dev**

## Run in Browser

* <http://localhost:3000>