

# Traxler

A simple GST management system written in Python.

**note - please do not visit the `http://0.0.0.0:8000` url as shown in the video instead, go to `http://localhost:8000`.**

Please view [this](#) video for a demo / build instructions.

## Tech Stack

- Python 3.10
  - Django as backend
  - django-rest-framework for API
  - authtoken from rest framework for authentication / authorization
- TypeScript
  - Vue 3 for frontend
- PostgreSQL for database
- Docker for containerization
  - alpine as container OS

## Users (pswd: abcd)

All users have a password of abcd - but each of them have been hashed with argon2. Django takes care of salting and hashing appropriately.

<input type="checkbox"/> USERNAME	FULL NAME	BUSINESS	ROLE
<input type="checkbox"/> admin	Mr. Admin	Traxler Tax Co	Admin
<input type="checkbox"/> mentix02	Manan Yadav	Throwmyform ORG	Taxaccountant
<input type="checkbox"/> p00rl4wyer	Rodion Raskolnikov	Murder Of Crows	Taxpayer
<input type="checkbox"/> pun1sher	Phoebe Bridgers	Government Alien Drones & Ships	Taxpayer
<input type="checkbox"/> queenlene	Dolores Haze	Evil Corp	Taxpayer
<input type="checkbox"/> quidditchplayer	Harry Potter	Dumbledore's Army	Taxpayer
<input type="checkbox"/> r1ch1ronstark	Tony Stark	Stark Industries	Taxpayer
<input type="checkbox"/> s4ms3pi0l	Elliot Alderson	Mr. Robot CO	Taxpayer
<input type="checkbox"/> thenose	Sherlock Holmes	Consulting Detective & Co	Taxaccountant
<input type="checkbox"/> w0terboi	Percy Jackson	Fish Friend & Fiend LTD	Taxpayer

10 users

## Installation

### Build

Open a terminal window and run from the root project directory -

**note - the first startup might take some time to build**

```
$ docker-compose up
```

This should start the server. But don't visit the url yet, we need to seed the database.

## **Seed database**

Open a new terminal and leave the server running.

To load the fixtures, run -

```
# VERY IMPORTANT - states should be loaded first  
$ docker exec traxler-web-1 python manage.py loaddata  
    fixtures/states/data.json
```

```
$ docker exec traxler-web-1 python manage.py loaddata  
    fixtures/users/data.json # load users
```

**DO NOT** visit the link provided in the docker-compose command. Instead, visit this <http://localhost:8000> url and start exploring!

## **Tests**

To run tests (make sure the traxler-web-1 image is still running in another terminal) -

**note - the Unauthorized & Forbidden messages aren't failures**

```
$ docker exec traxler-web-1 python manage.py test --keepdb
```