Traxler

A simple GST management system written in Python.
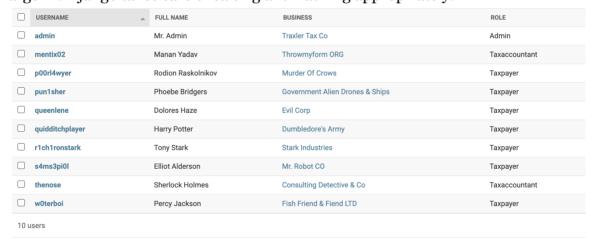
Please view <u>this</u> video for a demo / build instructions.

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.

	USERNAME	FULL NAME	BUSINESS	ROLE
☐	admin	Mr. Admin	Traxler Tax Co	Admin
☐	mentix02	Manan Yadav	Throwmyform ORG	Taxaccountant
☐	p00rl4wyer	Rodion Raskolnikov	Murder Of Crows	Taxpayer
☐	pun1sher	Phoebe Bridgers	Government Alien Drones & Ships	Taxpayer
☐	queenlene	Dolores Haze	Evil Corp	Taxpayer
☐	quidditchplayer	Harry Potter	Dumbledore's Army	Taxpayer
☐	r1ch1ronstark	Tony Stark	Stark Industries	Taxpayer
☐	s4ms3pi0l	Elliot Alderson	Mr. Robot CO	Taxpayer
☐	thenose	Sherlock Holmes	Consulting Detective & Co	Taxaccountant
☐	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
```

Visit the link provided in the `docker-compose` command - http://0.0.0.0:8000 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
```