Commit One Details & Instructions
Written by James Prestage for Jack Kelke | See the code in action here.

Most notable tools used:

- Python Virtual Environment (learn more)
  Used to install dependencies of which the Python script (strava.py) relies on.
- Flask
  Framework used to locally deploy the website athletes will use to connect their Strava accounts and store their data in the database.
- StravaAPI & SQLite
  Self explanatory.

Sample JSON output:


```
{
    "distance": 4688.7,
    "name": "Afternoon Run",
    "start_date_local": "2024-11-13T16:50:34Z",
    "start_lat": 42.27,
    "start_long": -83.73,
    "type": "Run"
  },
```


Key Discoveries:
Strava limits API access in development mode to **1** unique connected athlete.

Right now, I am the only connected athlete. I have to warn you, I don't use Strava very often. Ideally we could get your data in there + a friend of mine who uses it.

I have contacted Strava to increase my limit. If they increase it, authorize yourself using the instructions at the end of the document as I'm sure you have a lot more data than I do.

I will text you if the limit is increased!

Next steps:

- You now have access to some athlete data in the database (more than my own soon) You can determine the **exercise type, (general) location, date/time and distance.**
- The next steps from here would be to take the athlete data and find trends linked to the weather conditions in that general area during their exercise.
- If Strava increases athlete limit, you can decide to combine all athlete data together or focus on individual data (distinguishing using athlete_id column) which is up to you.
- Please let me know if you have any Strava-related issues like needing another piece of data. **If you have any issues with the SQL database, I've included a reset function which you can access at http://127.0.0.1:5000/reset_db**

How to run/test this code yourself:

1. Make sure you are a collaborator in the GitHub repo

2. Open VSCode. Terminal > New Terminal

3. Clone the GitHub repo

```
git clone https://github.com/jamesprestage101/si206-final.git
```

4. Open the GitHub repo folder

```
cd si206-final
```

5. Set up Python virtual environment (this example is called venv - same as mine)

```
python -m venv venv
```

6. Activate the virtual environment

```
source .venv/bin/activate
```

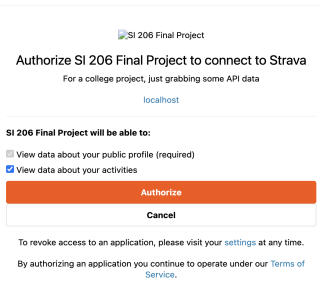
Your terminal should have (.venv) at the beginning now or whatever you called it

```
(.venv) jamesprestage@0587300956 si206-final %
```

7. Install the dependencies from the requirements.txt file I made

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

8. Run the Python script (strava.py)
9. Open localhost (http://127.0.0.1:5000) and follow the steps



10. After being brought to http://127.0.0.1:5000/callback - press ‘Fetch Activities’ and then check the SQL database for your athlete data.