Set Up Local Server

1. Navigate to GTFS folder (cd GTFS-Dashboard in home)
2. Activate virtual environment (. .venv/bin/activate)
3. Run project (python app.py)

To stop simply use ctrl+c

Set Up HTTPs

(HTTPs is already set up. However, since we are referencing static files in the app but using reverse proxy, if one wants to add a new directory in the project that serves static files, you need to edit the nginx config file under etc/nginx/sites-available then vim ditect)

Simply Copy and Paste this code

location /_dash-layout **Change this to the relative path of the new folder you add**{
    proxy_pass http://127.0.0.1:8050/_dash-layout; **Ensure the IP and port match where your Dash app is running**
    proxy_set_header Host $host;
    proxy_set_header X-Real-IP $remote_addr;
    proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
    proxy_set_header X-Forwarded-Proto $scheme;
    proxy_redirect off;
    proxy_set_header Accept-Encoding "";
    add_header Content-Type "text/html; charset=UTF-8";
}

Verify Access to the static files

https://ditectlab.civil.columbia.edu/assets/base-styles.css

Nginx Debugging

```
sudo tail -f /var/log/nginx/error.log (nginx error log)
```

```
When you make edits to the nginx config, you must run
```

```
sudo systemctl reload nginx
```