Lab 4 — Django and Flask

- Study the GitHub [repository](#) Lesson 4 labs
- Install Django and Django REST framework
- Start Django project "stevens," run server, and view app
- Start Django REST project "mycpu," run server, and view app
- If necessary, install Flask
- Run Flask server via hello_world.py and view app

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File Edit Tabs Help

```
[16/Mar/2022 14:13:59] "GET /favicon.ico HTTP/1.1" 302 0
[16/Mar/2022 14:13:59] "GET /favicon.ico HTTP/1.1" 302 0
[16/Mar/2022 14:13:59] "GET / HTTP/1.1" 200 1508
[16/Mar/2022 14:13:59] "GET /static/myapp/bootstrap.min.js.map HTTP/1.1" 404 1842
[16/Mar/2022 14:13:59] "GET /static/myapp/bootstrap.min.css.map HTTP/1.1" 404 1845
[16/Mar/2022 14:14:42] "GET / HTTP/1.1" 200 1508
[16/Mar/2022 14:14:42] "GET /favicon.ico HTTP/1.1" 302 0
[16/Mar/2022 14:14:42] "GET /favicon.ico HTTP/1.1" 302 0
[16/Mar/2022 14:15:16] "GET / HTTP/1.1" 200 1508
[16/Mar/2022 14:15:16] "GET /favicon.ico HTTP/1.1" 302 0
[16/Mar/2022 14:15:16] "GET /favicon.ico HTTP/1.1" 302 0
[16/Mar/2022 14:20:58] "GET /admin/myapp/temperaturedata/1/change/ HTTP/1.1" 200 7666
^Cpi@raspberrypi:~/Desktop/CPE322iot/iot/lesson4/stevens $ scrot -u website.png
pi@raspberrypi:~/Desktop/CPE322iot/iot/lesson4/stevens $ python3 manage.py runserver 0.0.0.0:8000
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).
March 16, 2022 - 14:24:34
Django version 3.2.12, using settings 'stevens.settings'
Starting development server at http://0.0.0.0:8000/
Quit the server with CONTROL-C.
^Cpi@raspberrypi:~/Desktop/CPE322iot/iot/lesson4/stevens $ scrot -u website.png
pi@raspberrypi:~/Desktop/CPE322iot/iot/lesson4/stevens $ scrot -u website.png
```

```
show databases' at line 2
MariaDB [mysql]> show database;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MariaDB server version for the right syntax to use near 'dat
abase' at line 1
MariaDB [mysql]> show databases;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| mysql              |
| performance_schema |
| stevens            |
+--------------------+
4 rows in set (0.001 sec)

MariaDB [mysql]> create database stevens;
ERROR 1007 (HY000): Can't create database 'stevens'; database exists
MariaDB [mysql]> grant all privileges on stevens.* to pi@localhost;
Query OK, 0 rows affected (0.001 sec)

MariaDB [mysql]> quit
Bye
pi@raspberrypi:~ $ scrot -u sql.png
```

My CPU

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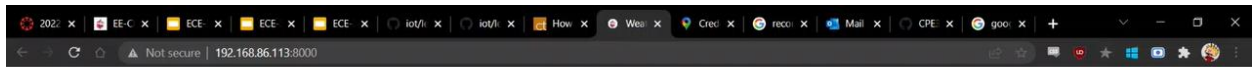
2022-03-16 16:46:18

CPU Usage
12.8%

Memory Available
2.6 GB

!

Oops! Something went
wrong.

This page didn't load Google Maps correctly. See the
JavaScript console for technical details.

Weather Station

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2022-03-16 01:11:42

Temperature   62°F