1. Python Flask

## 2. Model

- No questions or screenshots

### 3. Controller

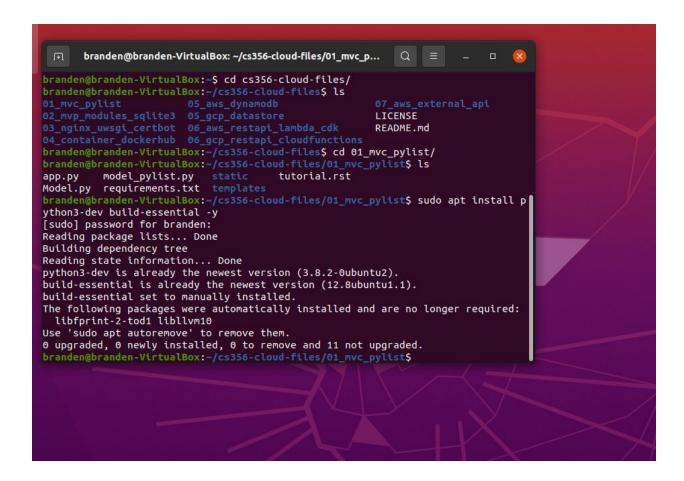
- No questions or screenshots

### 4. View

- No questions or screenshots

# 5. Running the code

- First install the packages needed to support the use of Python and its Flask package



Within the directory containing the application, create a Python 3 virtual environment.

```
branden@branden-VirtualBox:~/cs356-cloud-files/01_mvc_pylist$ python3 -m venv env branden@branden-VirtualBox:~/cs356-cloud-files/01_mvc_pylist$ source env/bin/activate (env) branden@branden-VirtualBox:~/cs356-cloud-files/01_mvc_pylist$
```

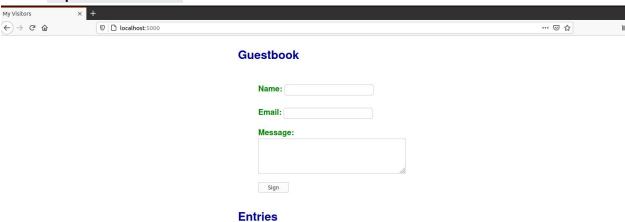
- To install the packages, we'll run pip and point it to this file.

```
(env) branden@branden-VirtualBox:~/cs356-cloud-files/01_mvc_pylist$ pip install -r requirements.txt
Collecting flask
  Downloading Flask-1.1.2-py2.py3-none-any.whl (94 kB)
                                         | 94 kB 1.6 MB/s
ollecting Jinja2>=2.10.1
  Downloading Jinja2-2.11.2-py2.py3-none-any.whl (125 kB)
                                          | 125 kB 11.1 MB/s
Collecting click>=5.1
  Downloading click-7.1.2-py2.py3-none-any.whl (82 kB)
                                          | 82 kB 3.2 MB/s
Collecting Werkzeug>=0.15
  Downloading Werkzeug-1.0.1-py2.py3-none-any.whl (298 kB)
                                          | 298 kB 13.7 MB/s
Collecting itsdangerous>=0.24
 Downloading itsdangerous-1.1.0-py2.py3-none-any.whl (16 kB)
Collecting MarkupSafe>=0.23
 Downloading MarkupSafe-1.1.1-cp38-cp38-manylinux1_x86_64.whl (32 kB)
Installing collected packages: MarkupSafe, Jínja2, click, Werkzeug, itsdangerous, flask
Successfully installed Jinja2-2.11.2 MarkupSafe-1.1.1 Werkzeug-1.0.1 click-7.1.2 flask-1.1.2 itsdangerous-1.
1.0
(env) branden@branden-VirtualBox:~/cs356-cloud-files/01 mvc pylist$
```

- Finally, we'll run the application



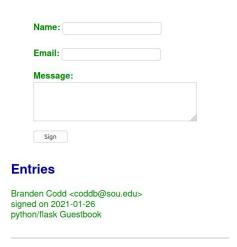
- Launch a browser on your local Ubuntu VM and visit the site running via http://localhost:5000



- Add an entry that includes your name and SOU e-mail address in it and the message "python/flask guestbook". Take a screenshot of the resulting page for your lab notebook.



#### Guestbook



Then, view the requests that show up in the terminal running the server. Within the terminal, type "Ctrl+c" to stop it.