

# CS4740 Spring 2021 Cloud Computing PA#6

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**Name:** Victoria Wang

**UVa User ID:** vxw6ta

- a. A short snippet of your code that is the “core” of your approach (e.g., generation of index.html)

**Snippet of code from lambda\_function.py**

```
begin code snippet
for item in view_item_names:
    with open('views/' + item, encoding='utf8') as file:
        view_parts[item] = file.read()

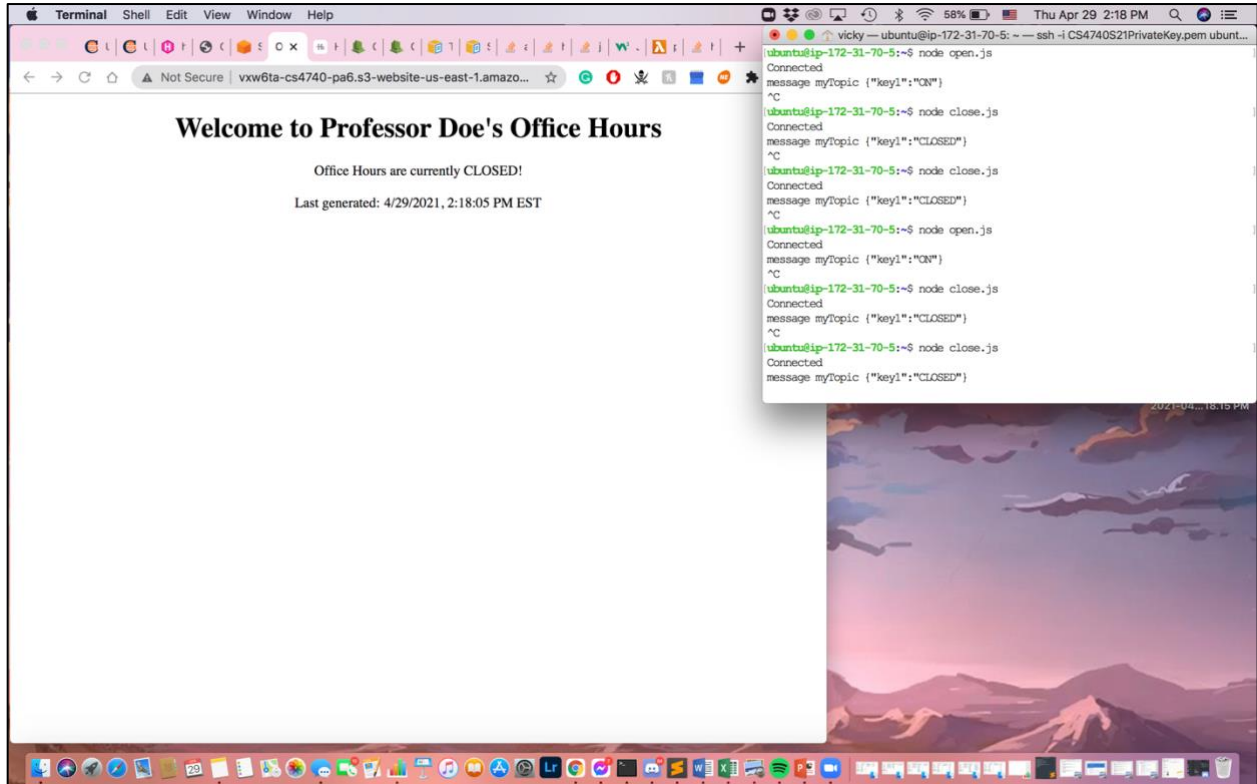
for item in status:
    html = view_parts['body.html'].format(
        status = event['key1']
    )

    s3.Bucket(os.environ['BUCKET_NAME']).put_object(
        Key='index.html',
        Body=(str.encode(html)),
        ContentType='text/html',
        ACL='public-read'
    )
end code snippet
```

Code above helped to generate the index.html file. Used environmental variable key = 'BUCKET\_NAME' and value = 'vxw6ta-cs4750-pa6'

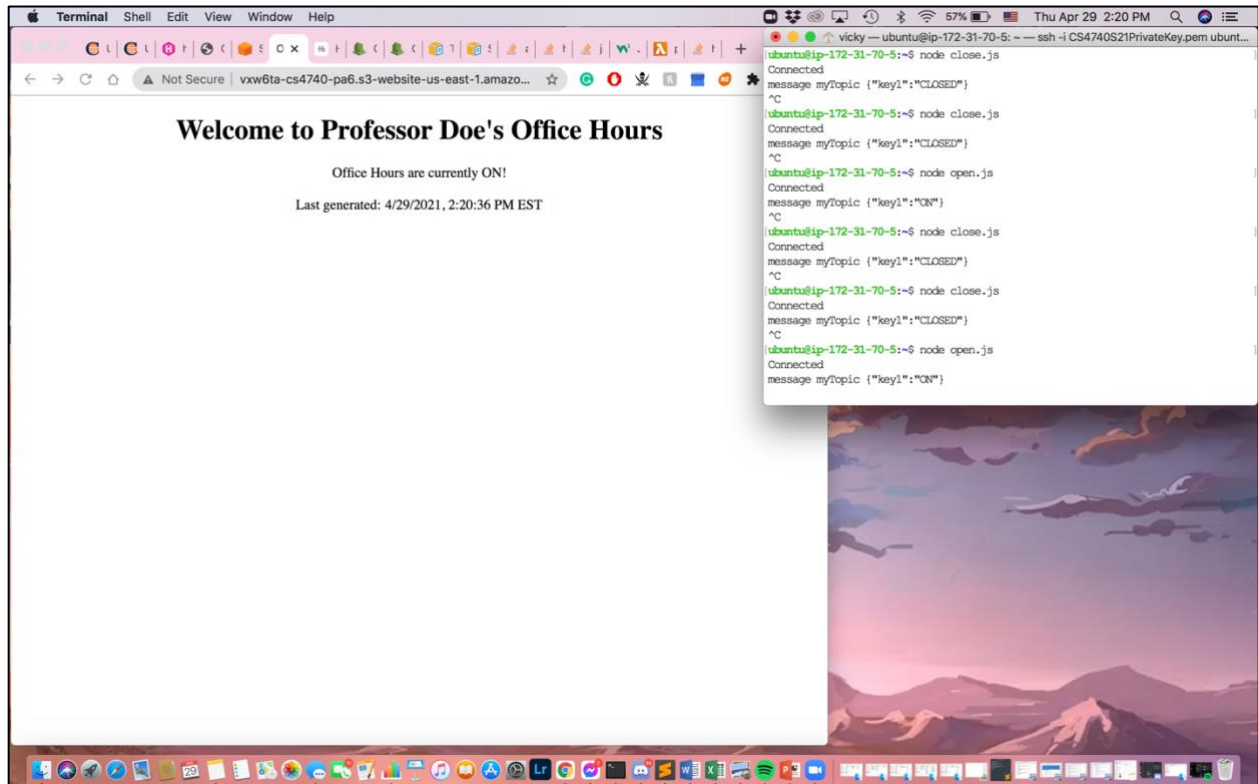
- b. The necessary screenshots to convince our dept chair that it's working (and thus to cause the dept chair to immediately run out to buy the actual sensors and install them on the professors' doors in Rice Hall!)

### Simulation of Door Closed



Note that screenshot was also taken at 2:18 PM EST (local UVA time).

## Simulation of Door Open



Note that screenshot was also taken at 2:20 PM EST (local UVA time).