Documentation for Final CS50 Project

**The Eliot Grille**

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**Motivation:**

My final project is a web application created using the Django Web Framework. The purpose of the web application is to provide functionality for kitchen staff at the Eliot Grille. Over the past summer, I roomed with the Eliot Grille Manager who mentioned to me several times that he wanted to develop a website for the Grille. Hence, as I enjoyed the web development in Problem Set 7 and Problem Set 8, I decided to take on the project myself. Starting from scratch, I did not have any previous background in Python or Django which made the learning curve extremely steep. Due to this fact, I was unable to spend much time implementing customer functionality as I decided to that kitchen functionality was more important. Hence my final project differs somewhat from my initial proposals.

**Compile:**

My web application is still in the local stages. I personally used a fresh installation of 32bit Ubuntu on VMWare. Two important files in the application are 'manage.py' and 'requirements.text'. The file 'requirements.txt' lists all the installed packages along with the corresponding version number. Nevertheless as I used a virtual environment (venv), which is a "Python environment such that the Python interpreter, libraries and scripts installed into it are isolated from those installed in other virtual environments", then the local web server is self-contained in the root folder (http://docs.python.org/dev/library/venv.html).

**Run:**

Hence it should be quite simple to compile and run the code. The steps if not clear before are to (skip the first step if virtualvenv is already installed):

```
$ pip install virtualenv
……
$ cd eliotgrille
$ source venv/bin/activate
$ python manage.py runserver
```

After the server runs (hopefully with no issues), then the local website should be able to be accessed at the default 'http://127.0.0.1:8000/'

**SQL Admin Account information**

The SQL Account can be accessed at: 'http://127.0.0.1:8000/admin/'
The super-user account (for the manager) is:
Username: admin
Password: password


**Account information to sign in to the website:**

The super-user account (for the manager) is:
Username: admin
Password: password

The normal use account (for a normal employee) is:
Username: employee
Password: password

**Github version control:**
https://github.com/howardzhangcs/eliotgrille