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This is a small web app that records class entry information in a database after PIN text verification. It uses Python, Django, SQLite, and the Twilio API to do this.

I attempted to set up Docker to work with Django files, but ran into a problem on my laptop, which runs Windows 10. I am still looking into it, but thought it would be better to first submit a fully working version without a Docker image.

For development purposes, I used the development web server included in Django, with the “python manage.py runserver” command.

Entry URL, for registration: <http://localhost:8000/validation/>

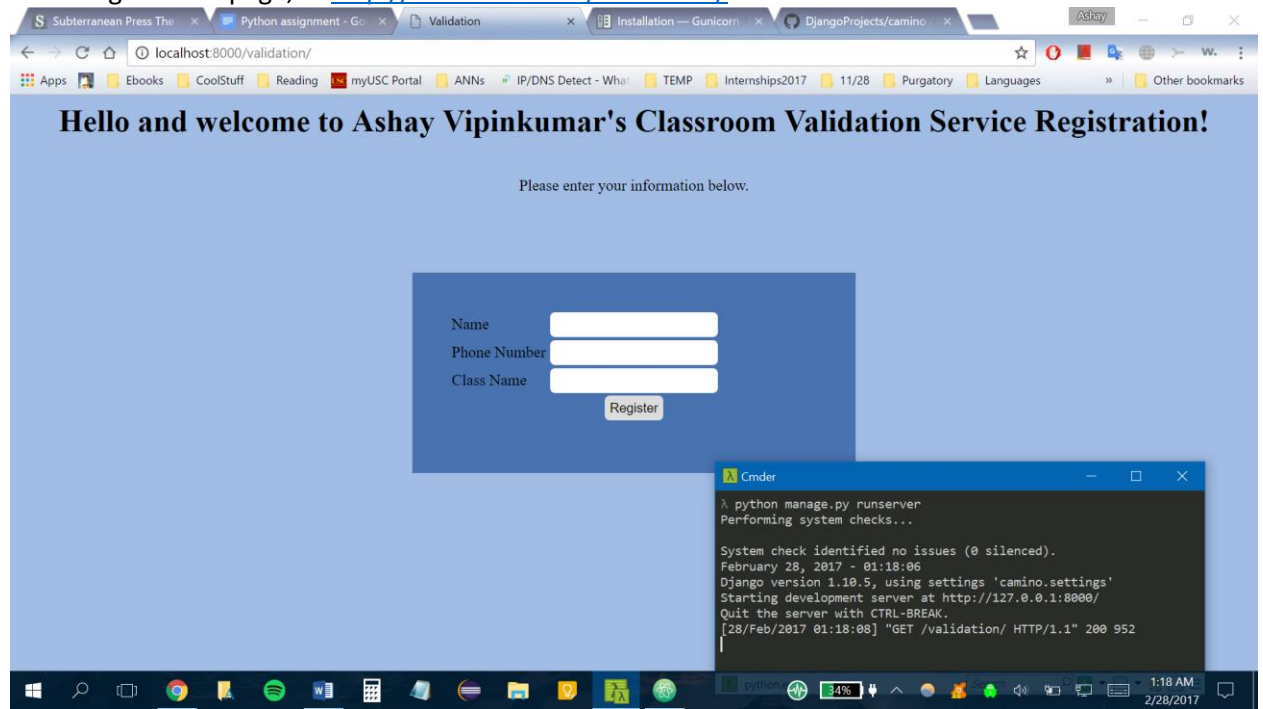
Login URL, to login and check your information: <http://localhost:8000/validation/login/>

These are two separate URLs and each lead to different pages, although they end up on the same page, for account information.

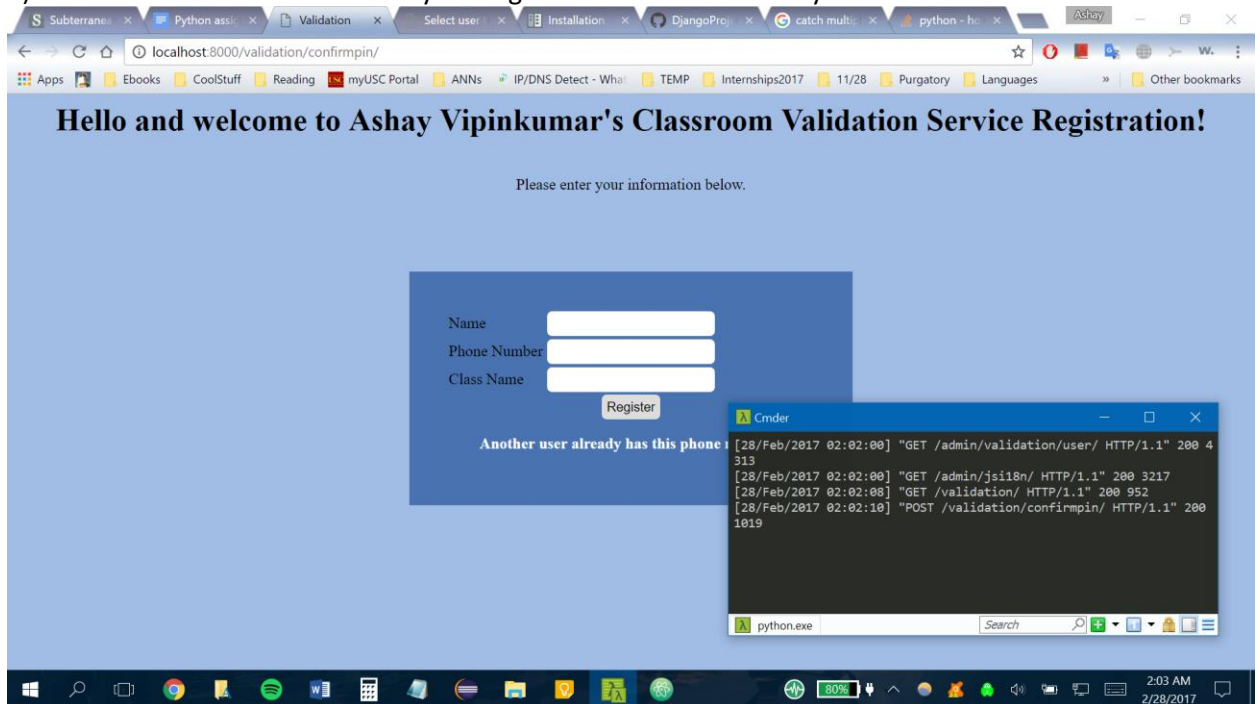
Admin name : ‘admin’; password: ‘thisismypassword’

The Twilio API’s free trial allows me to **send text messages only to registered numbers**. Contact me if you need to register, to try it out for yourself. The sent PIN can also be viewed on the console, as output.

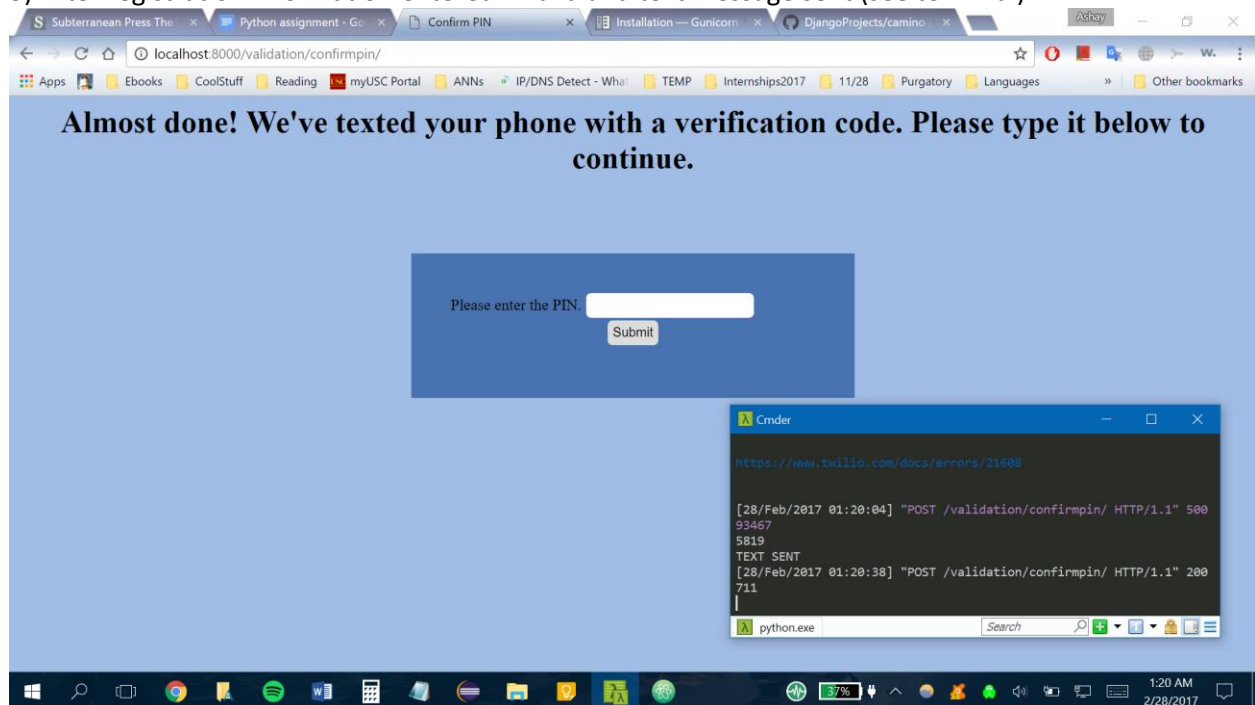
1) Initial registration page, at <http://localhost:8000/validation/>



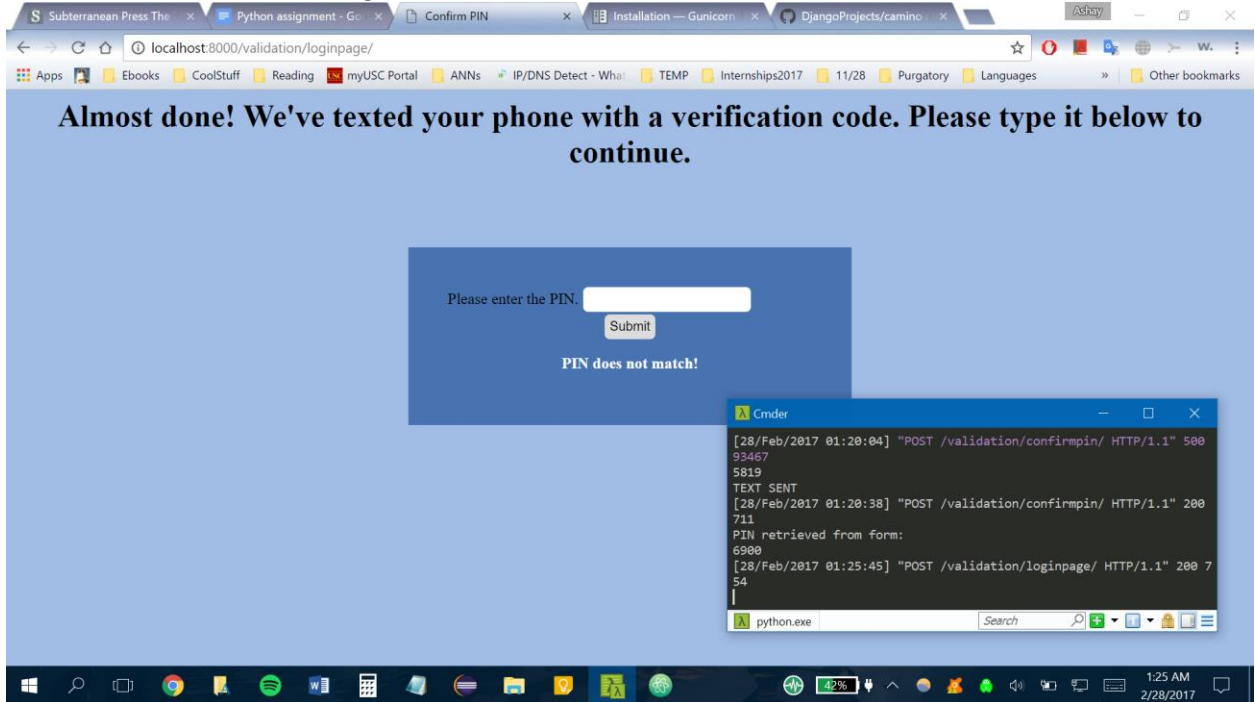
2) If Phone number entered already belongs to another User already:



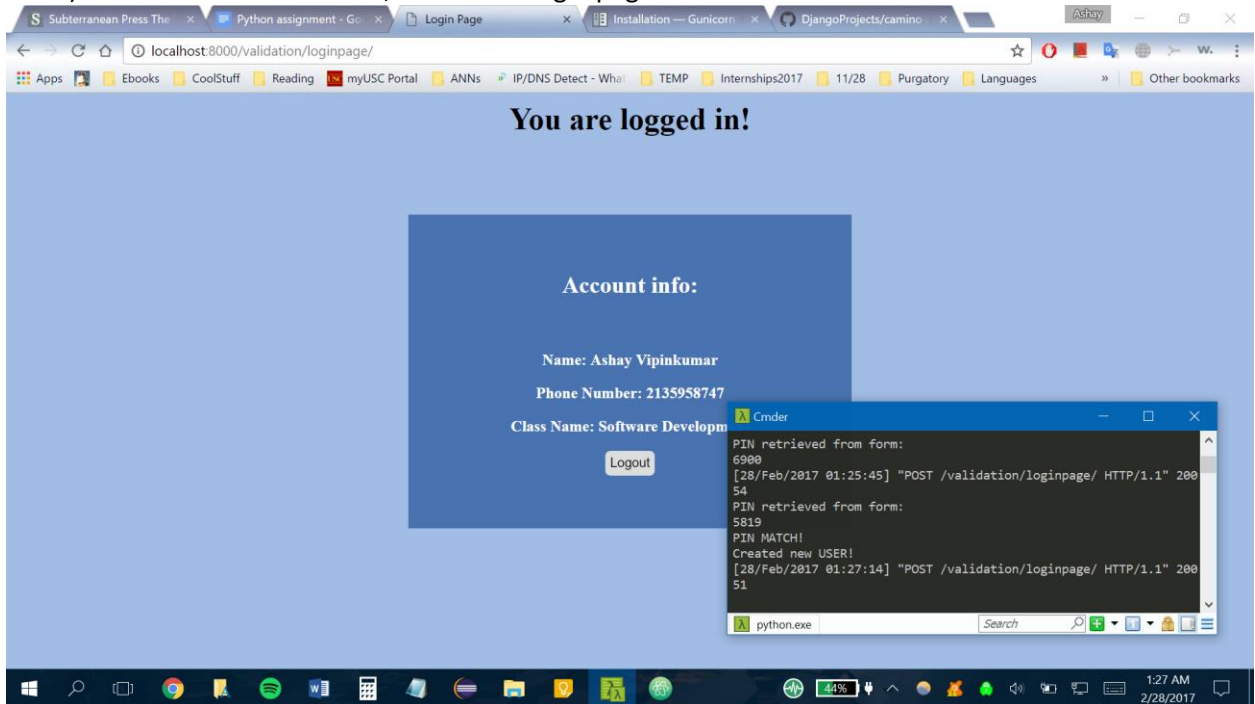
3) After registration information entered if valid and text message sent (see terminal):



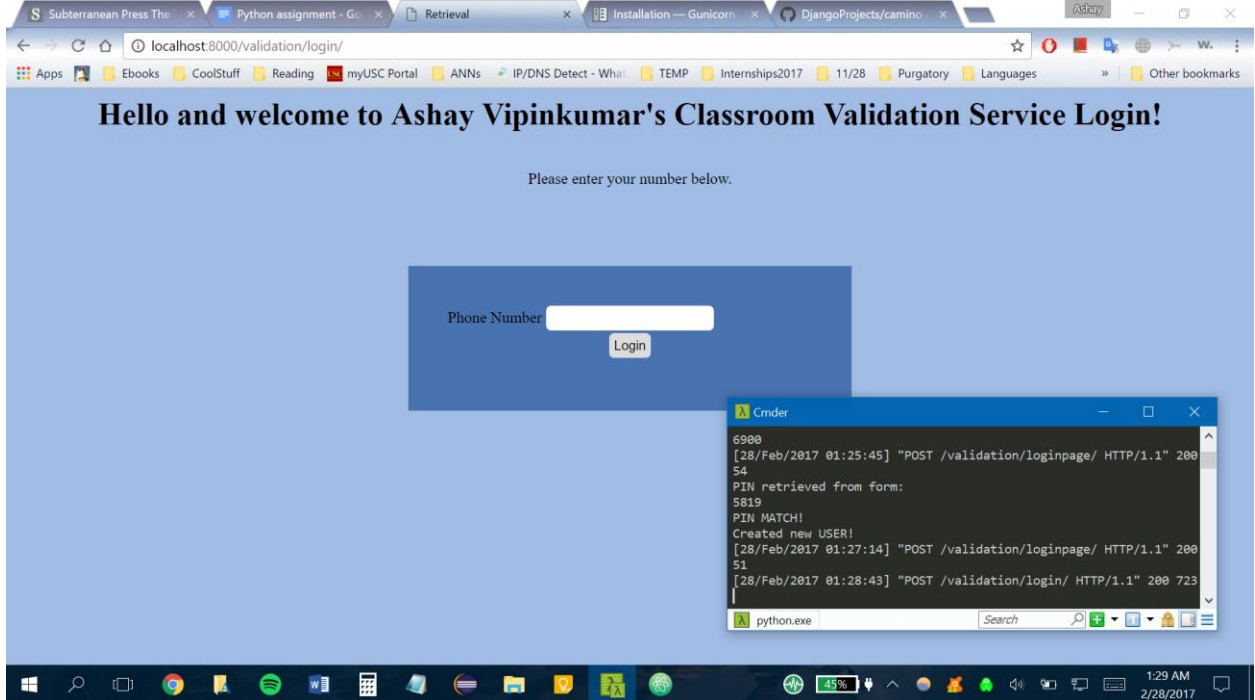
#### 4) If PIN entered is wrong:



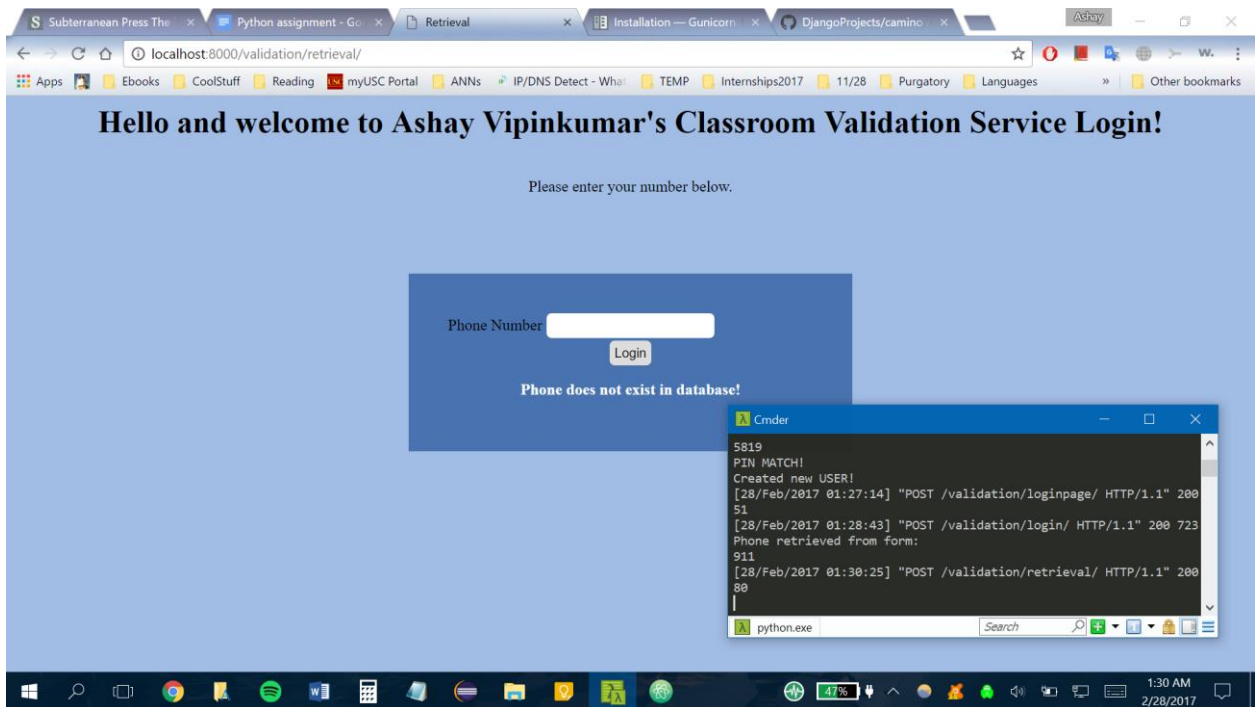
#### 5) If PIN entered is correct, redirect to login page:



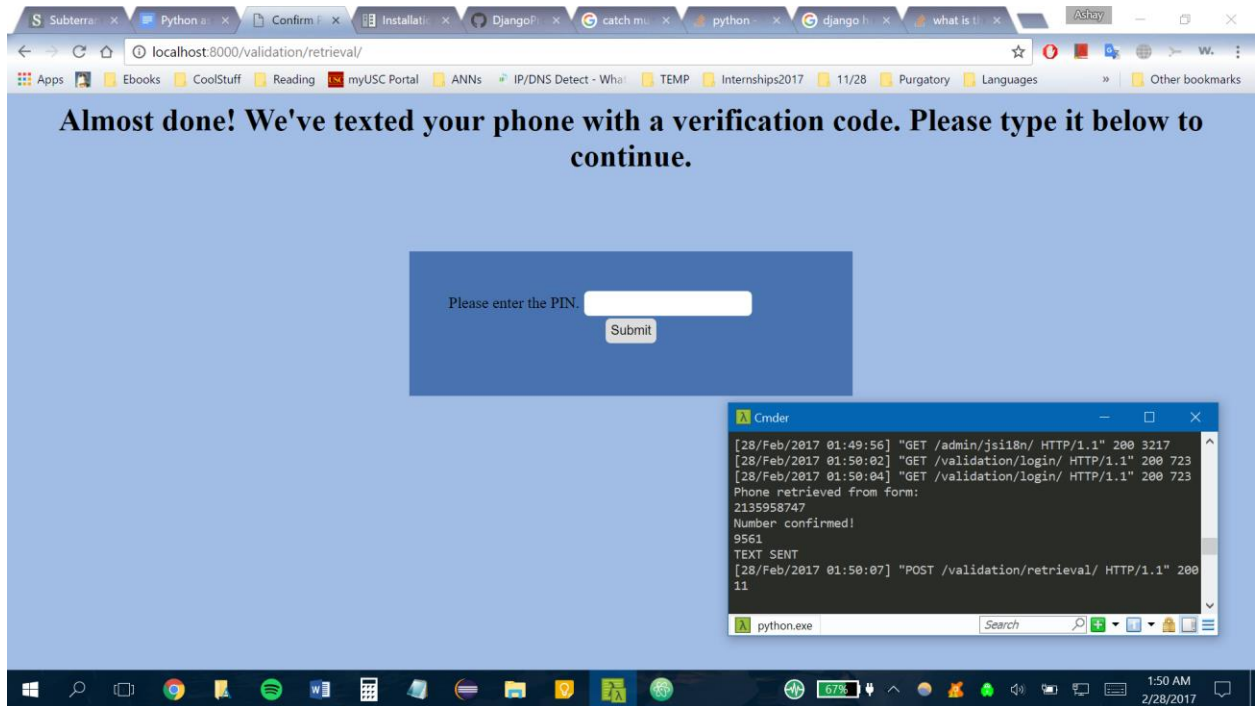
- 6) If "Logout" is clicked, you are redirected to the Login Page, which can also be accessed on its own through <http://localhost:8000/validation/login/> :



- 7) If phone number does not belong to a user registered in the database:



8) If Phone number is valid, text is sent:



9) If PIN is invalid, error message will display as in #4. Otherwise, you are once again redirected to the login page with your account info, as shown in #5.