Problem Set 8: Mashup

Problems

Implement Mashup in pset8/mashup/.

Mashup

Configuring

1. In a terminal window, within mashup/, execute

pip install --user -r requirements.txt

to install this problem's dependencies.

- 2. If you don't already have a Google account (e.g., Gmail), sign up at <u>accounts.google.com/SignUp</u>.
- 3. Visit <u>developers.google.com/maps/web/</u>, logging in if prompted, and click **GET A KEY** at top-right.
- 4. Click **Select or create project**, click +**Create a new project**, and input **pset8** (or anything else) under **Enter new project name**.
- 5. Click CREATE AND ENABLE API.
- 6. Highlight and copy the value below **YOUR API KEY**.
- 7. In a terminal window, execute

export API_KEY=value

where **value** is that (pasted) value, without any space immediately before or after the **=**.

If you need to find that value later (to copy and paste it again), visit <u>console.developers.google.com</u> and click **Credentials** at top-left.

<u>Running</u>

1. Start Flask's built-in web server (within mashup/):

mashup/ × mashup/ × 🕀	<u> </u>
<pre>~/workspace/pset8/ \$ cd mashup ~/workspace/pset8/mashup/ \$ pip installuser -r requirements.txt Requirement already satisfied (useupgrade to upgrade): feedparser in /home/ubuntu/.local/lib/pyt8 3.4/site-packages (from -r requirements.txt (line 1)) Requirement already satisfied (useupgrade to upgrade): Flask in /usr/local/lib/python3.4/dist-pac ges (from -r requirements.txt (line 2)) Requirement already satisfied (useupgrade to upgrade): Flask-JSGlue in /home/ubuntu/.local/lib/py on3.4/site-packages (from -r requirements.txt (line 3)) Cleaning up ~/workspace/pset8/mashup/ \$ export API_KEY=AIzaSyBopR0aUymY2u8wL_8tF4d18loYQmyI6f0 ~/workspace/pset8/mashup/ \$</pre>	ion :ka /th

flask run

Select **CS50 IDE** > **Web Server** to see the distribution code in action. You won't be able to search for news, though, just yet!



2. In another terminal window, start phpLiteAdmin (within mashup/):

phpliteadmin mashup.db

And open the URL that **phpliteadmin** outputs in a new tab. No tables yet! Here on out, if you'd prefer a command line, you're welcome to use **sqlite3** instead of phpLiteAdmin.

```
mashup/ × mashup/ × +
~/workspace/pset7/finance/ $
~/workspace/pset7/finance/ $ ..
~/workspace/pset7/ $ ..
~/workspace/ $ cd pset8
~/workspace/pset8/ $ cd mashup
~/workspace/pset8/ $ cd mashup
~/workspace/pset8/mashup/ $ phpliteadmin mashup.db
Running phpLiteAdmin at https://ide50-vvandr.cs50.io:8081/?pin=NStZsHp101yAh3Hi
Exit with ctrl-c...
```





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