

Alan Banks
6/27/20

Assignment 6, Python Flask App Test Case 1a

```
python -- ALAN
README.md  python_flask.py  static  templates
bazinga ⚡ lab6 ▶ master python python_flask.py
* Serving Flask app "python_flask" (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: on
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
* Restarting with stat
* Debugger is active!
* Debugger PIN: 279-110-929
1
2
3
127.0.0.1 - - [26/Jun/2020 18:34:30] "GET / HTTP/1.1" 200 -
```

Test Case 1a

Fri Jun 26 6:39 PM ALAN BANKS

127.0.0.1:5000 server address matches what was displayed in terminal

ALAN'S FLASK APP

Home Other

Today's Date : June 26, 2020 || 18:39 EST

A website built with Python and the [Flask](#) framework.

Note: current time is in 24 hour format

EST time is determined at page load. In order to update it, you need to refresh this page.

Random Math Trivia

*** You can click the home tab in the top right navbar to render more trivia ***

- 9738 is the number of trees on 22 vertices with diameter 5.
- 5080 is a structured truncated octahedral number.
- 3250 is a value of n for which $_{(2n)}C_{\{n\}}$ is not divisible by 3, 5, or 7.

What I'm checking for

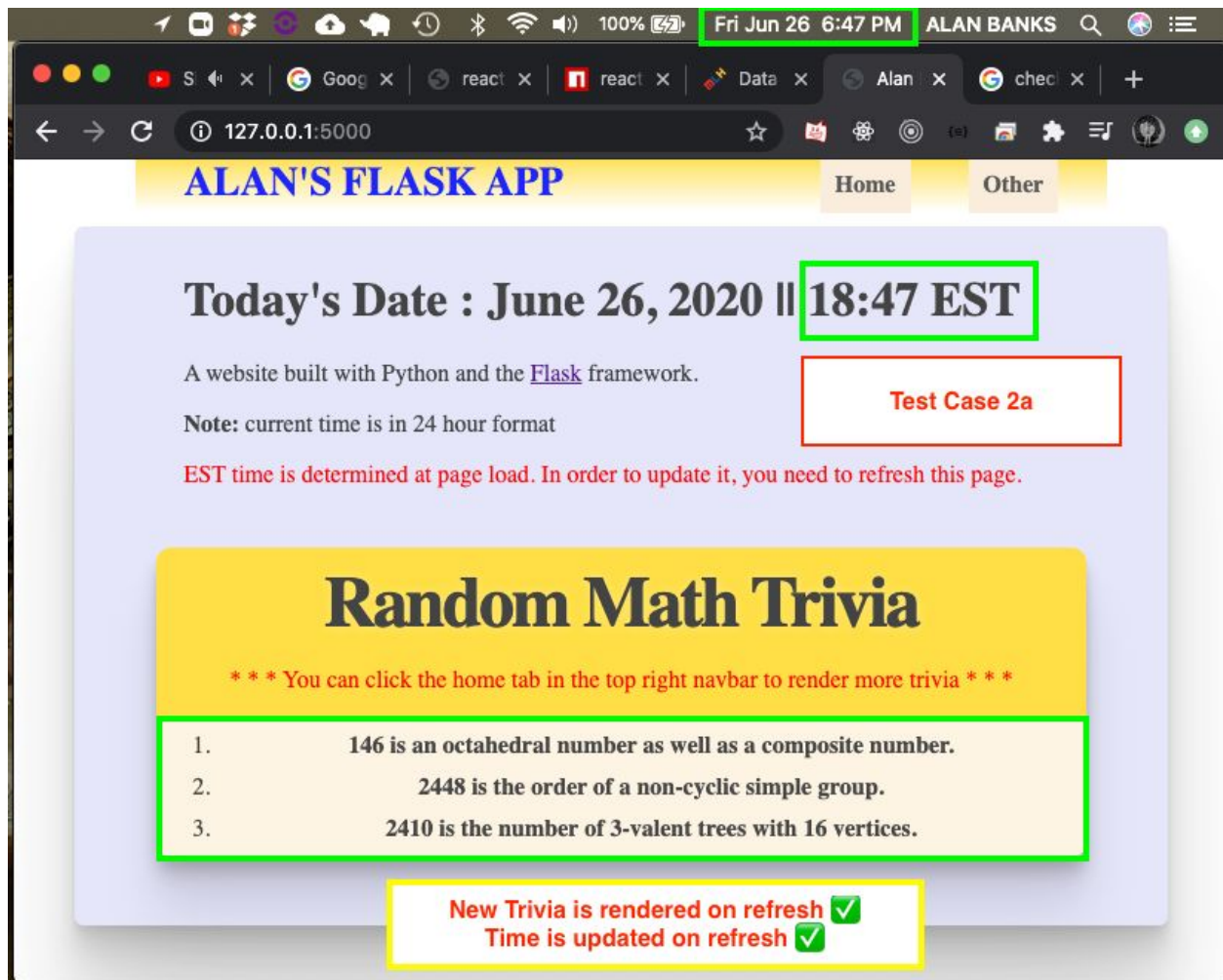
Making sure that page is renderable on local server. ✓

Also checking that the time rendered on page matches the time in real life. ✓

Test Case 1a

Test Case	Input	Expected Output	Actual Output	Pass?
1a	Terminal: python python_flask.py URL: http://127.0.0.1:5000/	Nothing should crash in terminal Page should load in browser	Nothing crashed in terminal Page loaded in browser with specified URL	Pass

Test Case 2a



Test Case	Input	Expected Output	Actual Output	Pass?
2a	<i>In Browser</i> Refresh Page	Time is updated 3 new math trivia facts are rendered	Time is updated 3 new math trivia facts are rendered	Pass

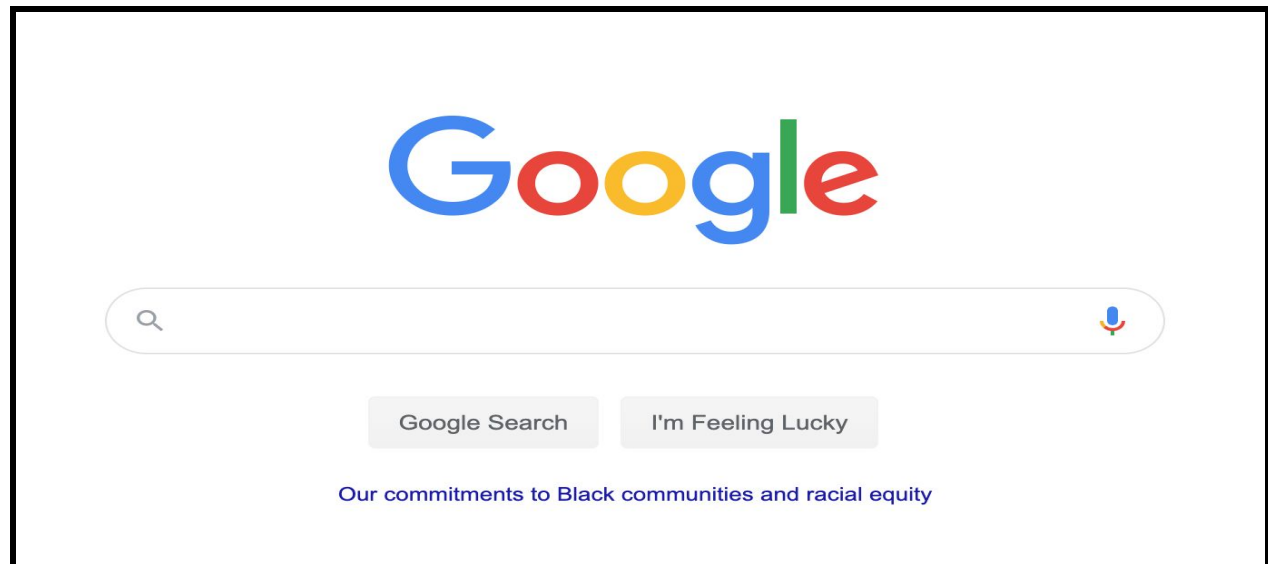
Test Case 3a



Context: User is navigating from launch page (home.html) to other.

Test Case	Input	Expected Output	Actual Output	Pass?
3a	<i>In Browser:</i> Click <a> tag "other"	*** Should redirect user to http://127.0.0.1:5000/other/ *** Page Shouldn't crash ***	*** Redirects user to http://127.0.0.1:5000/other/ *** Page did not crash ***	Pass

Test Case 4a



Test Case	Input	Expected Output	Actual Output	Pass?
4a	Hover Card Click random link card	*** Card should display CSS effects *** Opens new tab in URL to an external link ***	*** Card displays CSS effects *** Opens new tab to Google ***	Pass

Test Case 5a

ALAN'S FLASK APP

HomeOther

Welcome to the mystery link page

These Cards Will Take You To External Links

Test Case 5a

Looking to see if refreshing the page, will cause the links below to scramble in display order.

I am checking by clicking the same middle card.

Random Links :)

I promise there are no sketchy sites lol

One card leads to **Google**
Another Card leads to **Kurzgesagt**, one of my favorite youtube channels
The last card is what I like to call ... a great **Meme**

Every Render of this page will randomize the order of these cards

???

???

???

Untitled document - Google Docs | Document

Rick Astley - Never Gonna Give You Up


Google

dQw4w9WgXcQ

Search

Test Case	Input	Expected Output	Actual Output	Pass?
5a	Refresh page, Click Middle Card	After refreshing the page, expect the link cards to contain different <code></code> values For example the middle card should redirect the user to another website besides google.	After page refresh, middle card took us to a different external link Rick Astley - Never Gonna Give You Up	Pass

Test Case 6a



Test Case 6a

This site can't be reached

127.0.0.1 refused to connect.

Try:

- Checking the connection
- Checking the proxy and the firewall

ERR_CONNECTION_REFUSED

Details

Reload

Test Case	Input	Expected Output	Actual Output	Pass?
6a	Terminal: control + c	*** Shuts down server *** Reloading page should show a site cannot be reached error	*** Local Server Shut Down *** This Site can't be Reached	Pass