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## Assignment 6, 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

# 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.

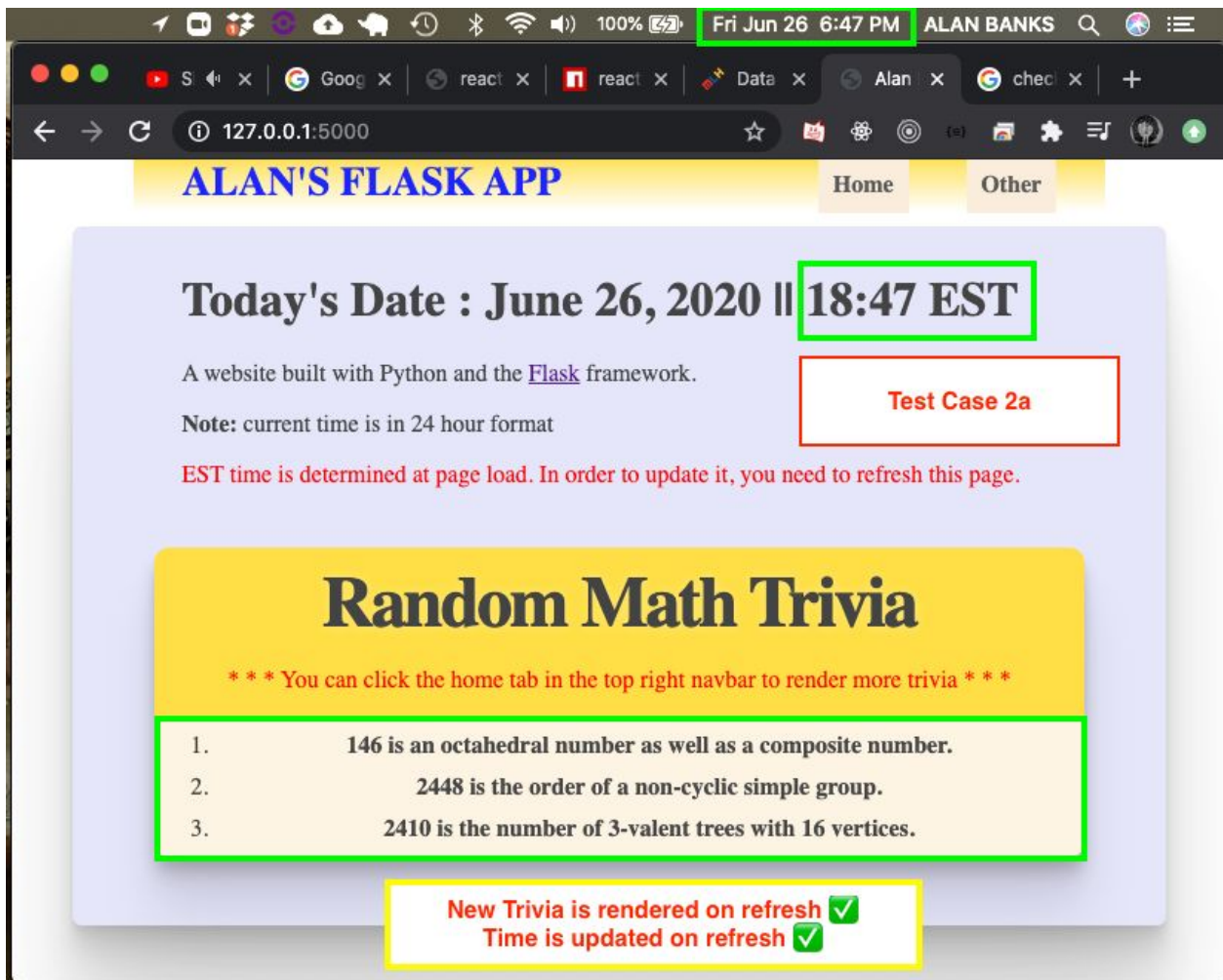
Making sure that page is renderable on local server. ✓

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

### Test Case 1a

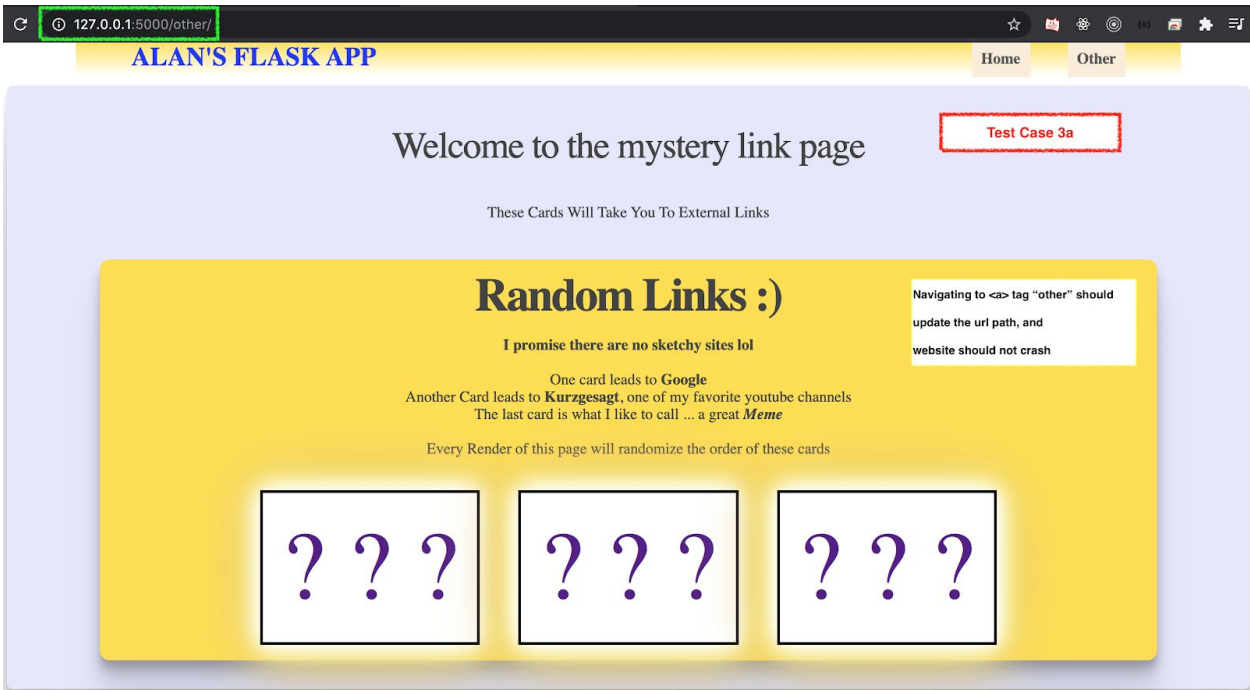
Test Case	Input	Expected Output	Actual Output	Pass?
1a	<p>"python python_flask.py"</p> <p>"<a href="http://127.0.0.1:5000/">http://127.0.0.1:5000/</a>"</p>	<p>Nothing should crash in terminal</p> <p>Page should load in URL</p>	<p>Nothing crashed in terminal</p> <p>Page loaded with specified URL</p>	Pass

### Test Case 2a



Test Case	Input	Expected Output	Actual Output	Pass?
2a	Refresh Page	<p>Time is updated</p> <p>3 new random facts are rendered</p>	<p>Time is updated</p> <p>3 new random facts are rendered</p>	Pass

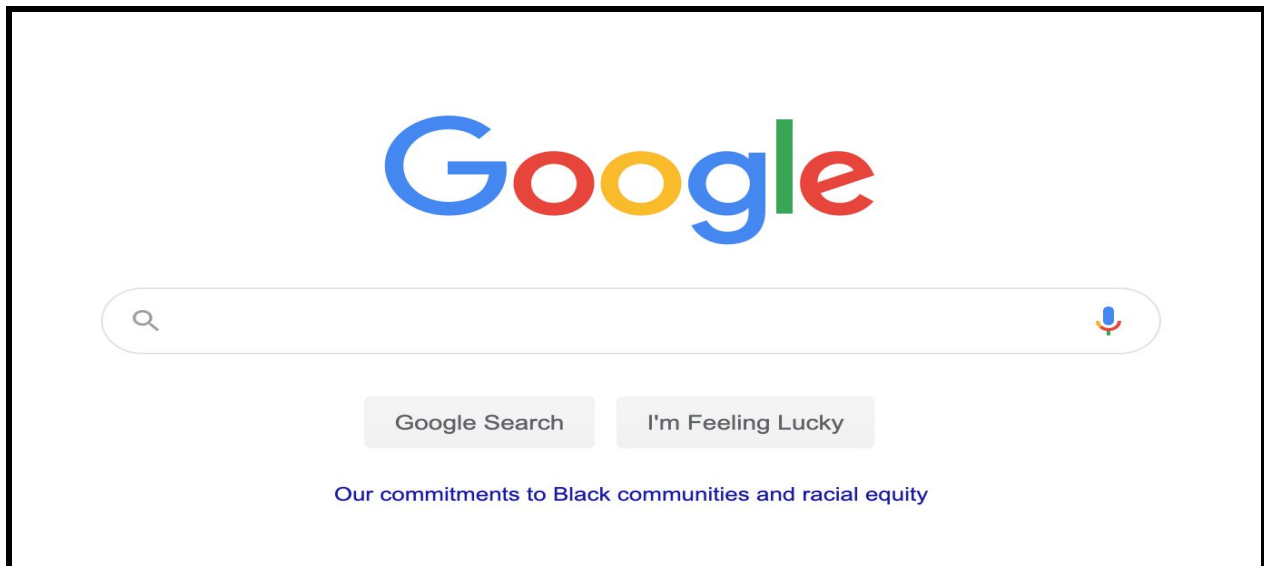
Test Case 3a



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

Test Case	Input	Expected Output	Actual Output	Pass?
3a	Clicking <a> tag "other"	*** Redirects user to <a href="http://127.0.0.1:5000/other/">http://127.0.0.1:5000/other/</a> *** Page Shouldn't crash ***	*** Redirects user to <a href="http://127.0.0.1:5000/other/">http://127.0.0.1:5000/other/</a> *** Page Shouldn't 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 in URL to an external link ***	Pass

## Test Case 5a

**ALAN'S FLASK APP**

HomeOther

Welcome to the mystery link page

These Cards Will Take You To External Links

### 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 - YouTube | Google

dQw4w9WgXcQ

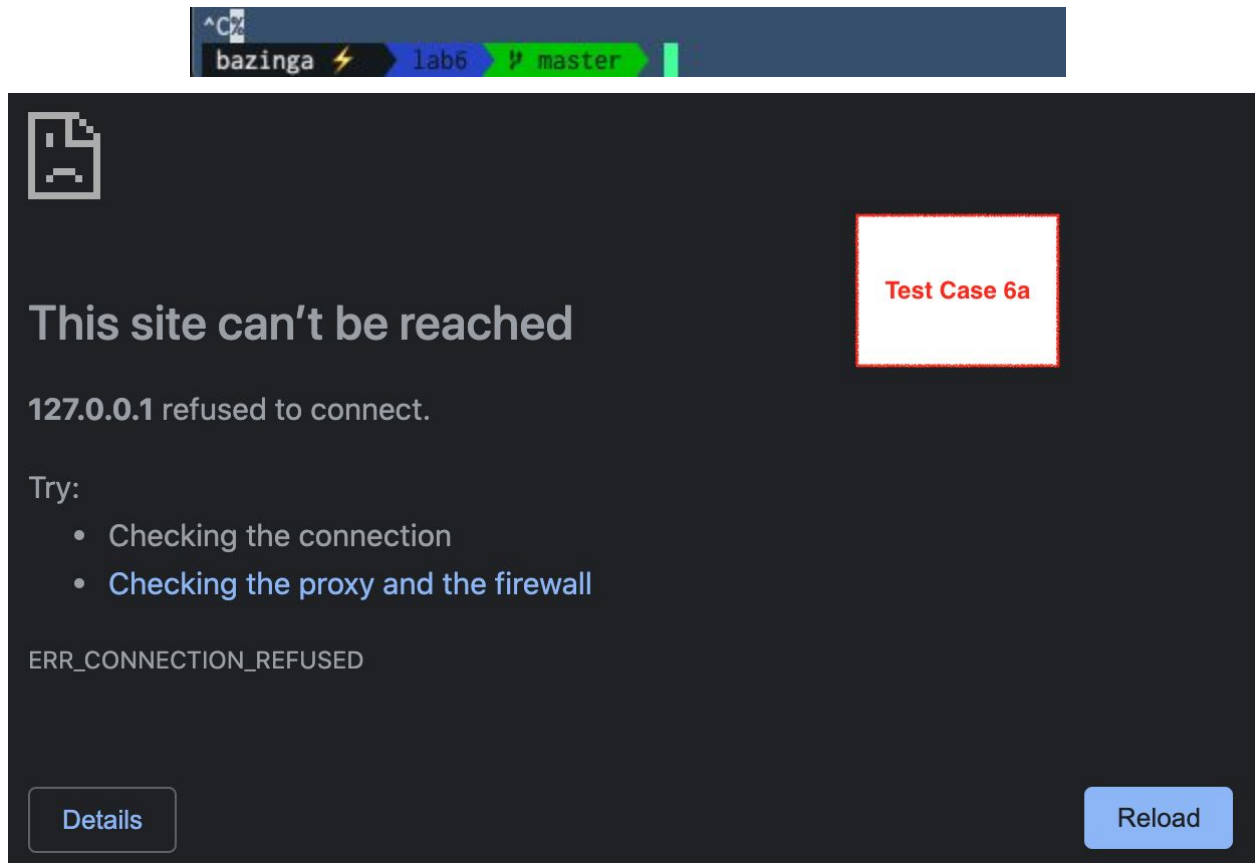
Search

Test Case	Input	Expected Output	Actual Output	Pass?
1e	Refresh page,  Click Middle Card	After refreshing the page, expect the link cards to contain different <code>&lt;a href=""/&gt;</code> values  For example the middle card should redirect user to another webpage besides google.	Refreshing the page and clicking the middle card took us to a different webpage  Rick Astley - Never Gonna Give You Up	Pass



### Test Case 1f

**Context:** user is selecting which housing column to analyze, after previous input error.



Test Case	Input	Expected Output	Actual Output	Pass?
1f	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