

ECE444-Lab-Week2: Flask Web Development

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Goal: After this recitation, the students should be able to install Flask and implement a HelloWorld example, and understand the basics of how flask works.

Material: "Flask Web Development: Developing Web Applications with Python" from O'Reilly, available in UofT library and [Quercus/Files/Book](#)

Plan: TA briefly introduces Flask, then students start to read the book and play with the example, TA then host the Q&A session.

Requirement & Evaluation: Students should follow the 3 Activities. Once you are done, please submit your GitHub repo url in Assignment/Lab2. Your grade is depending on the completeness of the task.

In your readme file, we expect to see 3 sections (use markdown)

Activity 1: a screenshot

Activity 2: a screenshot

Activity 3: answer to the question.

Activity 1: Installation (1 point)

- Follow Chapter 1 and install [virtual environment and flask](#) on your local machine.

Submission:

A screen shot showing that you have successfully finish the task (with a timestamp), e.g.

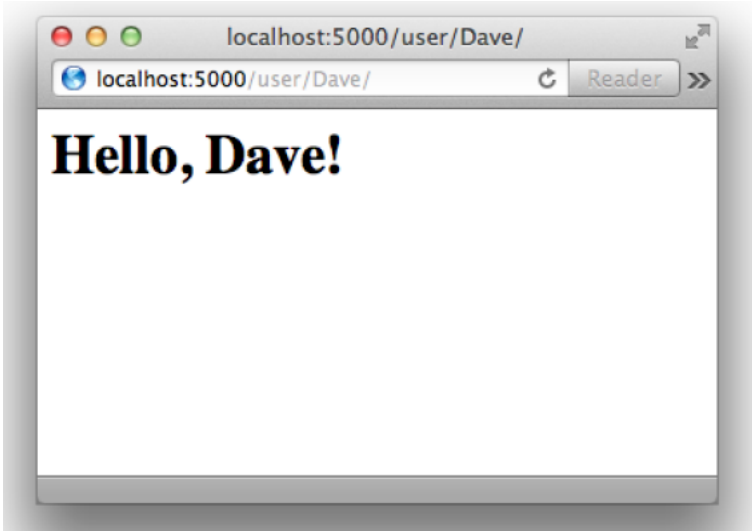
```
(venv) (base) shuruiz-mbp:flasky shurui$ date
Sat Sep 19 08:37:15 PDT 2020
(venv) (base) shuruiz-mbp:flasky shurui$ python
Python 3.7.6 (default, Jan 8 2020, 13:42:34)
[Clang 4.0.1 (tags/RELEASE_401/final)] :: Anaconda, Inc. on darwin
Type "help", "copyright", "credits" or "license" for more information.
>>> import flask
>>>
```

Activity 2 (3 point): Creating a repo in [your own GitHub account](#) and replay the text book example

The text book provides all the source code of each example:

<https://github.com/miguelgrinberg/flasky>

- Create an empty public repository, name format: ECE444-F2020-Lab2
- Create a readme file with your name and mention: this repo is a clone of <https://github.com/miguelgrinberg/flasky>
- Reproduce example 2-1 in your repo, commit the code with reasonable commit message.
- Reproduce example 2-2 based on example 2-1 code, commit code changes with reasonable commit message to summarize the change, and take a screenshot of your hello world html page with your name on the web page.



- Push to Github

Activity 3 (1 point): Briefly summarize what are the Flask context globals.