Information + Web Programming

Fordham University | Fall 2018

Monday + Thursday 5:30 - **6:55 pm**

until September 27

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fordham email hopefully coming soon

Week 2 - Class 3

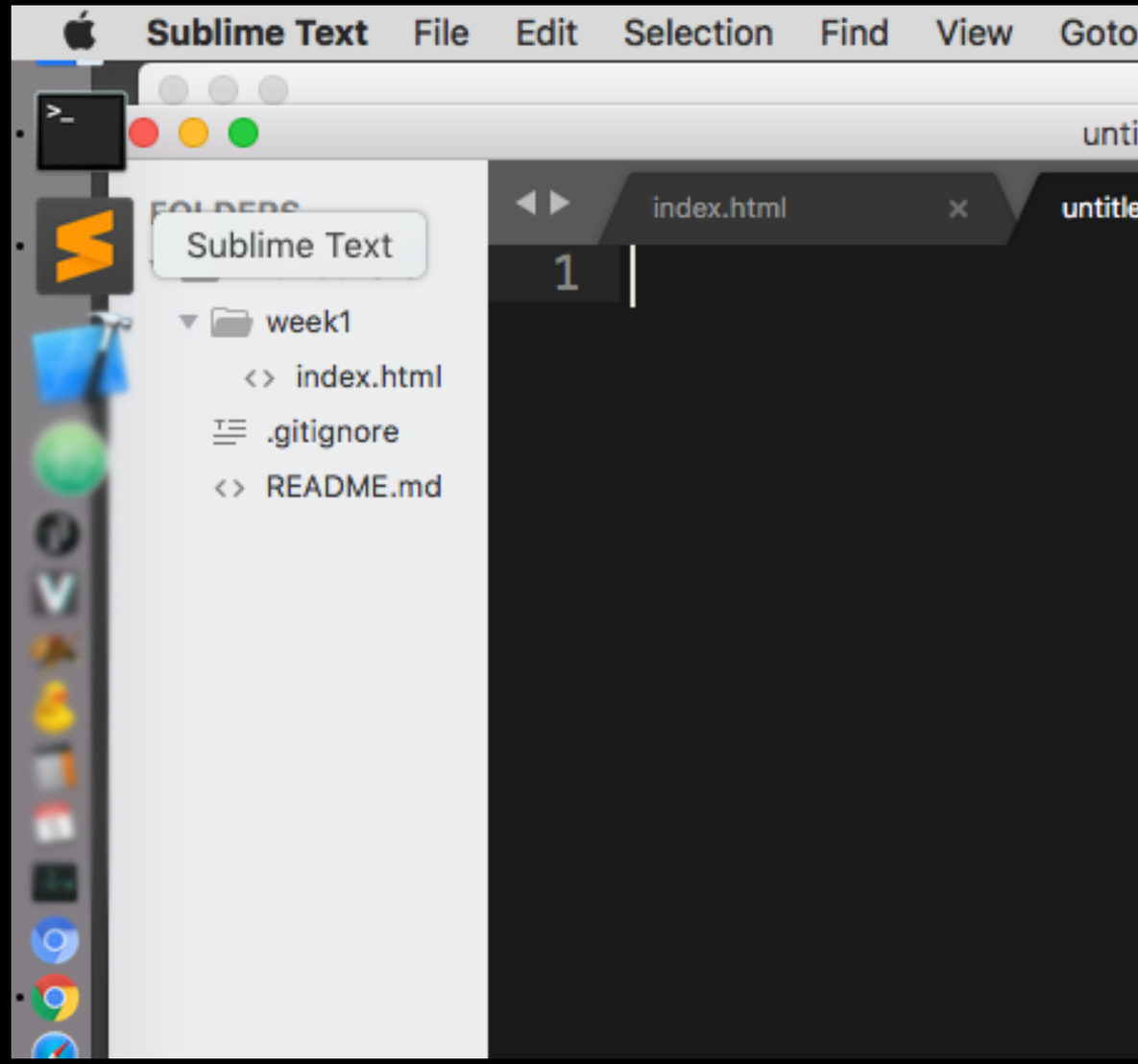
- Attendance
- Questions / Review
- Discuss Reading
- Intro 2 Web Dev Workflow
- Live Coding: Intro 2 HTML
- Review HW

web pages are made
of three different file types that we
can author at the **granular level**

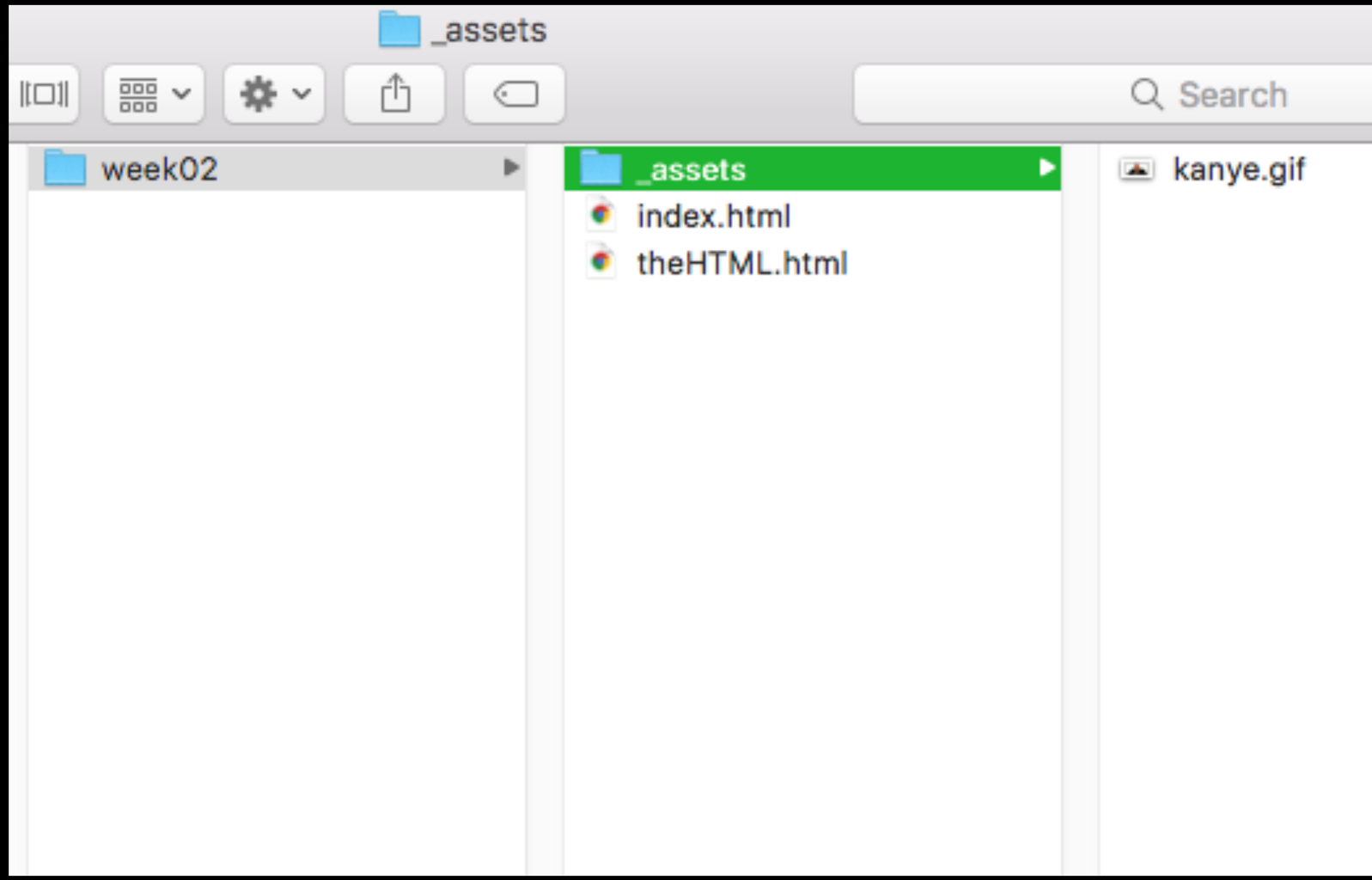
.html	hyper text mark up
.css	cascading style sheet
.js	javascript

We can write these files with a text editor.
Like **Sublime**. There are many others but this one is great for those new to writing code or to web development.

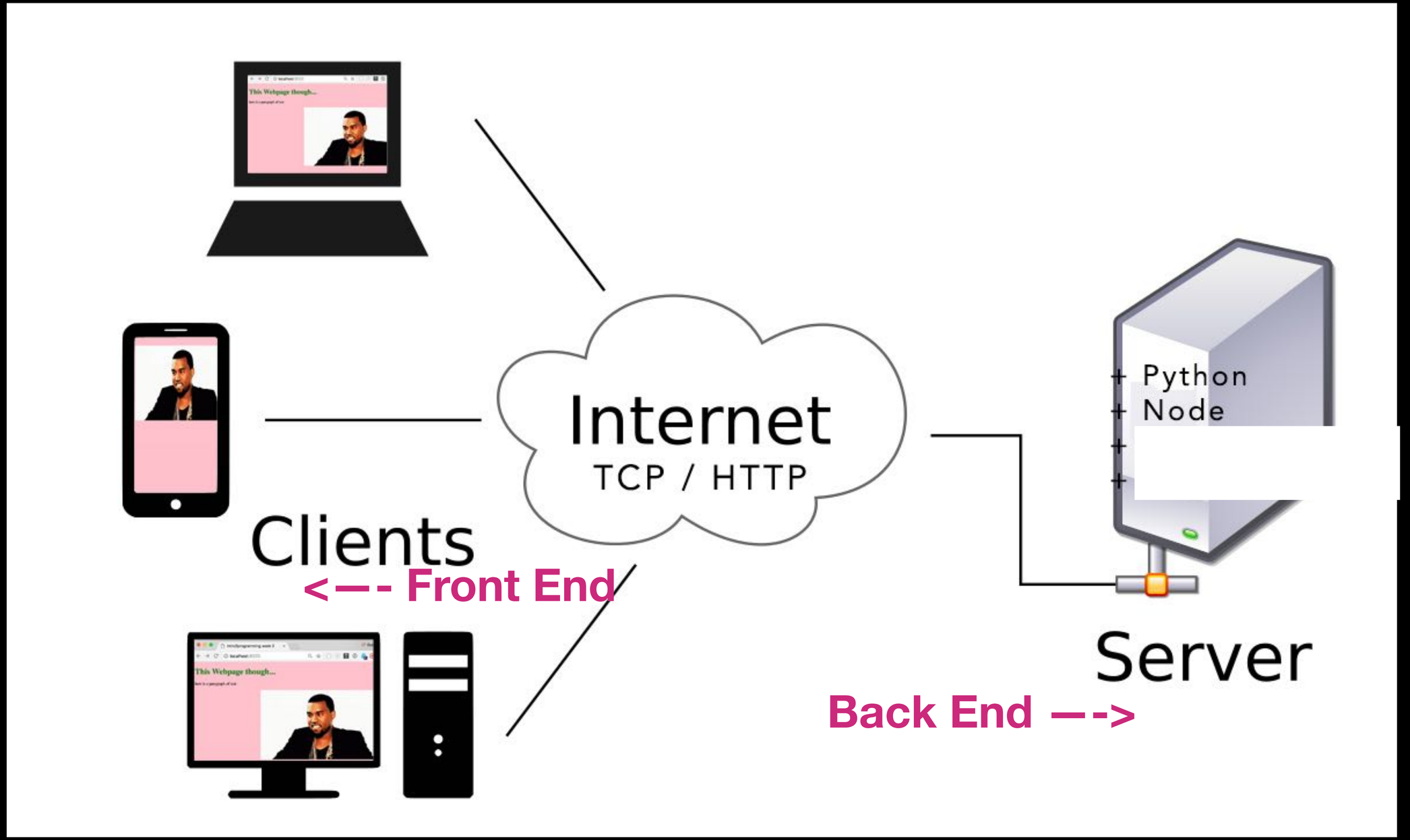
WebDev WorkFlow – We will be hosting local servers on our machines to prototype websites. Mac OS users will become familiar with **Terminal** + running a local python server. Those using Windows Machines **Command Prompt** isn't quite as easy - I am not fluent in the various dialects. But we'll figure it out as we go…



Parent + Child File Structure
or: File Paths
or: it's time to get organized…



TCP ports

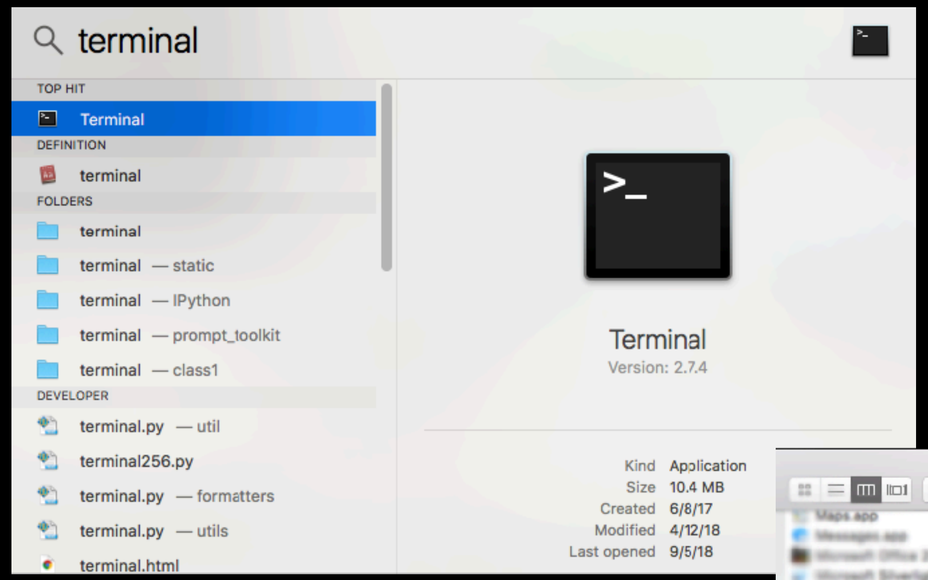


Even when programming for FRONT END WEB DEV —> Running a local server while working is best practice

This will become ESSENTIAL when we get into JavaScript

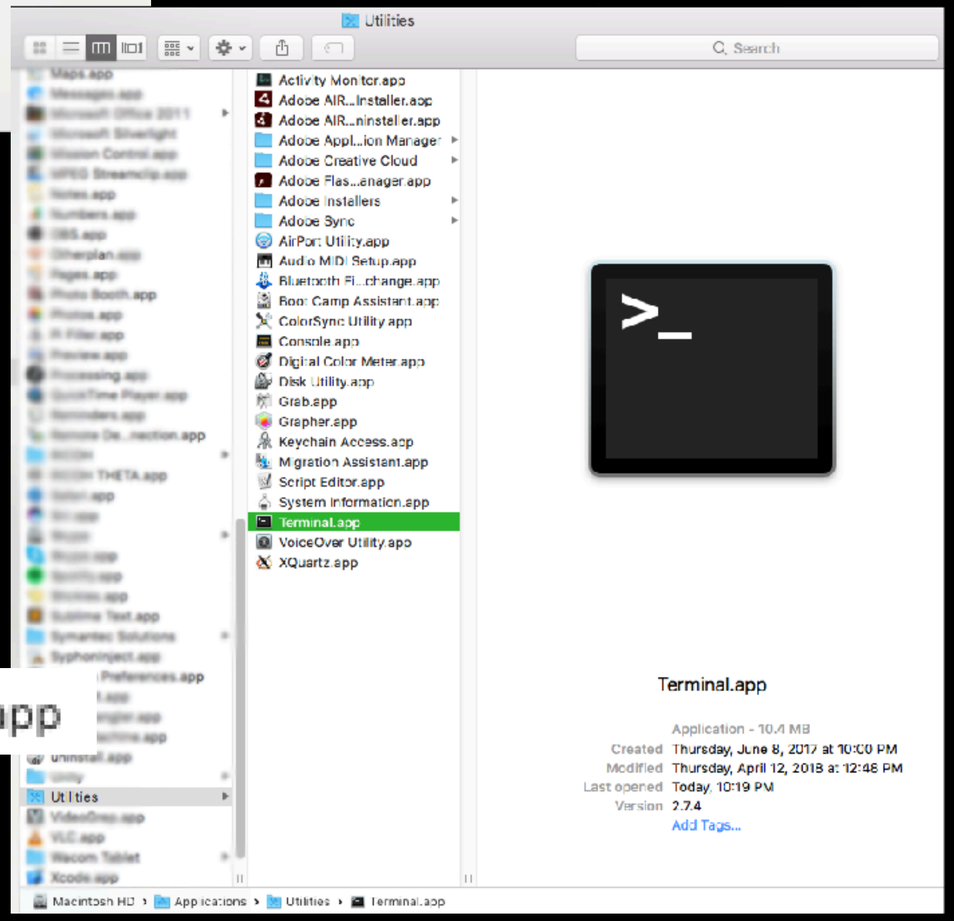
for those who like to search:

Hold down COMMAND + press SPACEBAR, and type TERMINAL



for those who like to find:

the file path is:



for those working on a windows machine:

in Terminal we are speaking **Unix** :

- **cd** - “change directory”
- **ls** - “list items in this directory”
- **pwd** - “present working directory”

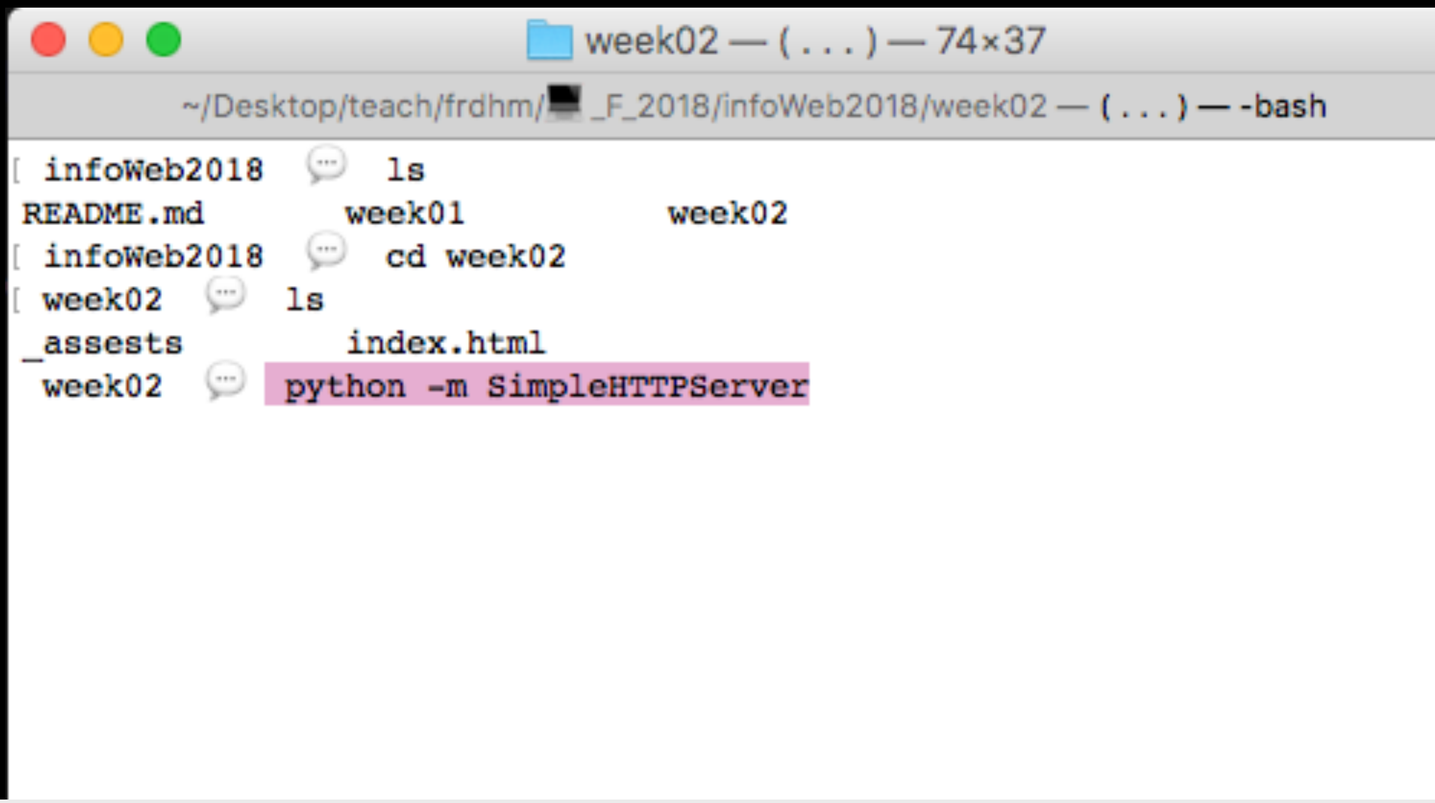
Running a local **Python** HTTP Server
in Mac OS - this is very simple :

When inside yr project folder simply type the following command:

“**python -m SimpleHTTPServer**”

– defaults to port 8000

if we wrote:
“python -m SimpleHTTPServer 12345”
- we would go to port 12345

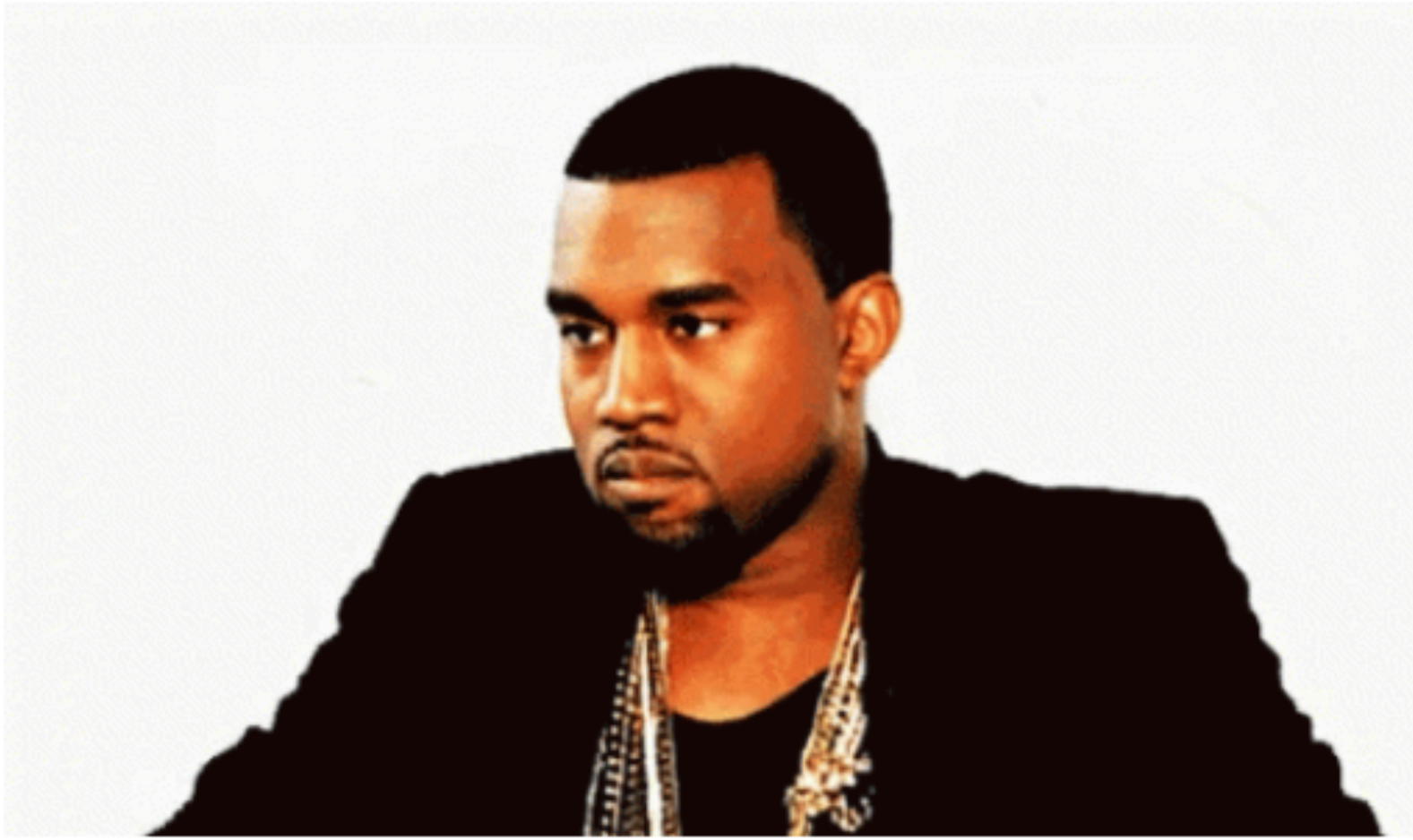


url is:

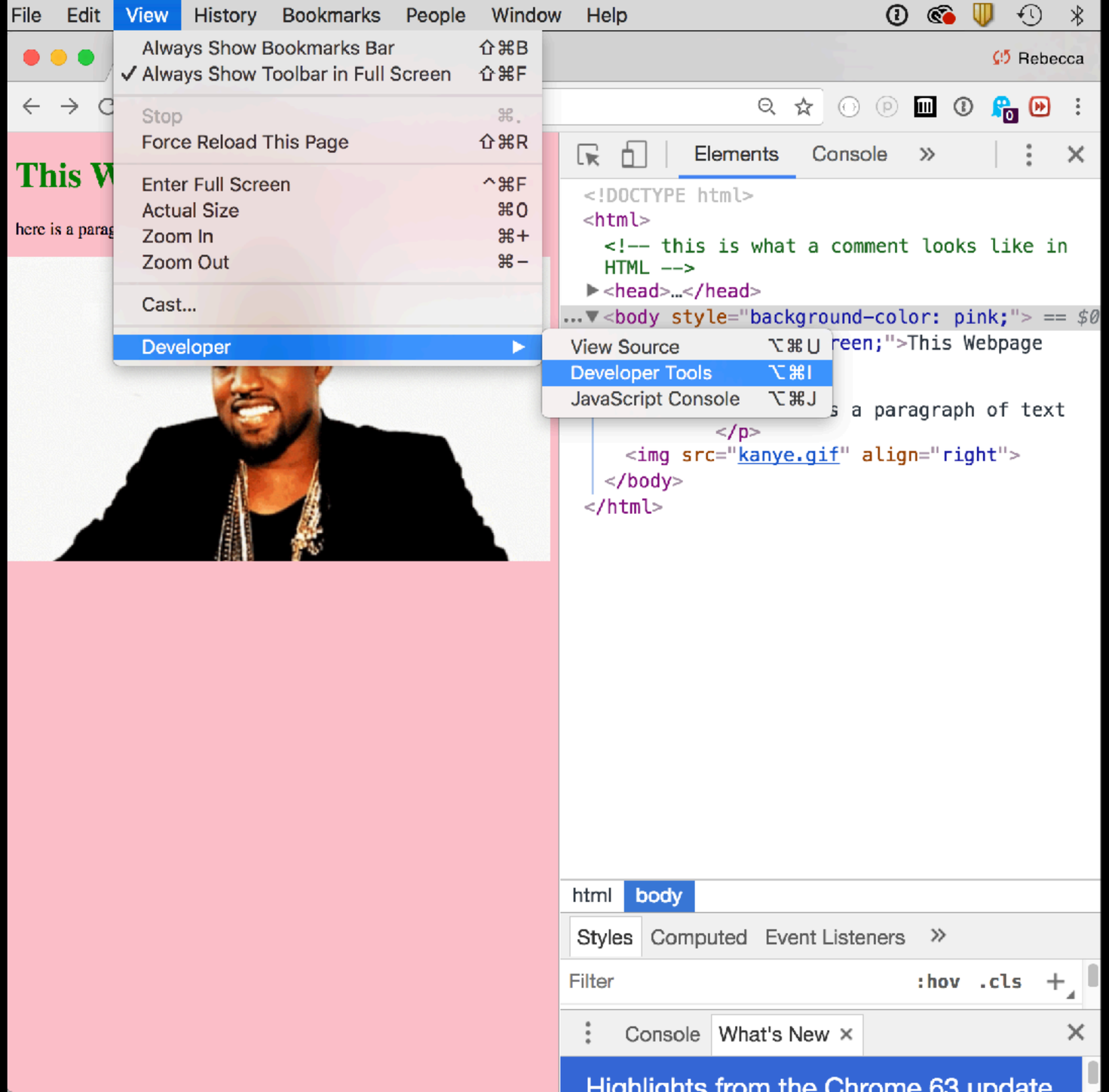
localhost:8000

localhost:8000

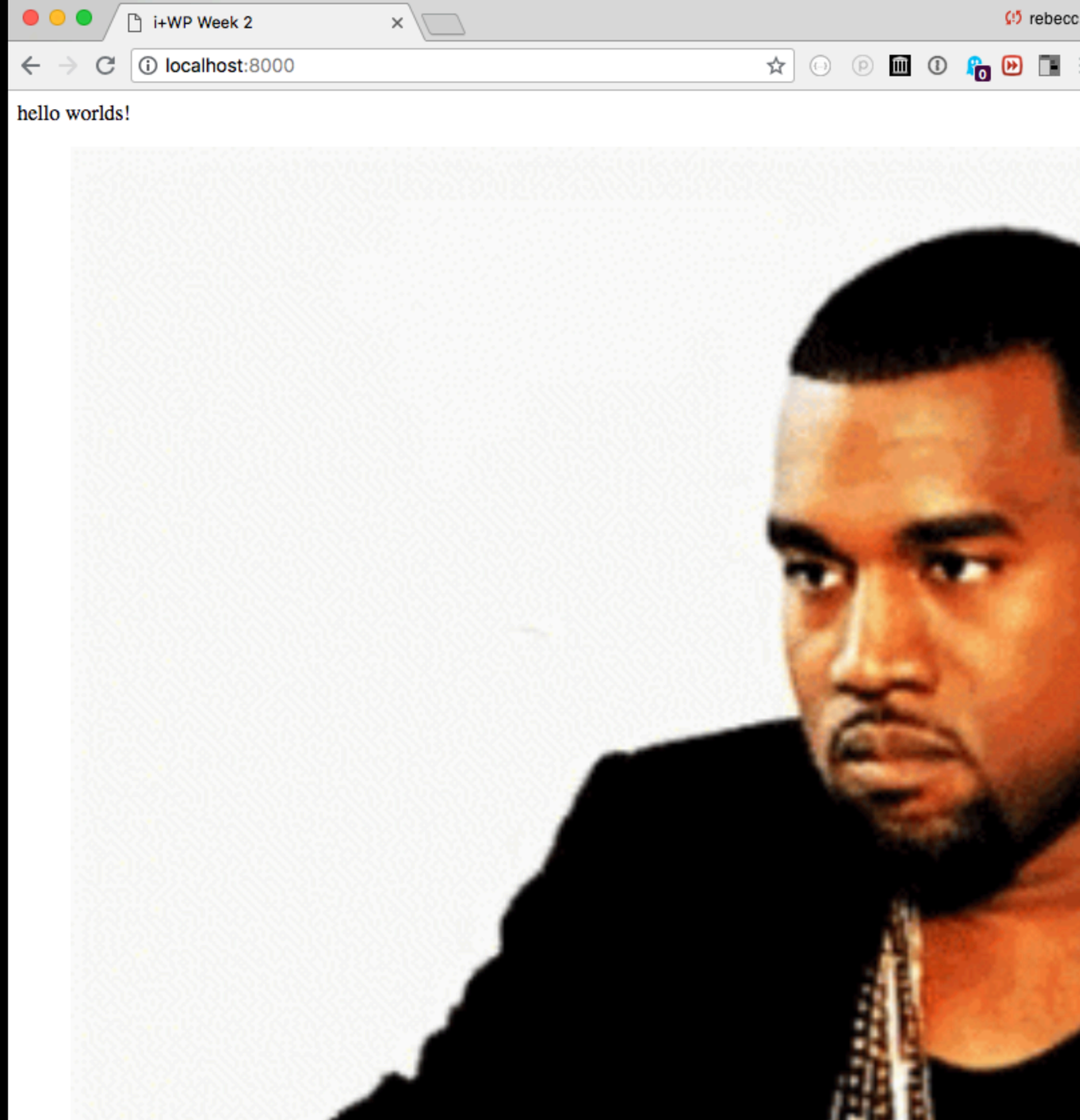
hello worlds!



+ **Google Chrome** Browser
  + Dev Tools (cmmd i)



serving it live makes makes it easy to design / prototype as you code.



As you make changes to your design / code - you can “live” refresh the page, changes (+ bugs) will be noted by the server.

```
[ week02  💬  python -m SimpleHTTPServer
Serving HTTP on 0.0.0.0 port 8000 ...
127.0.0.1 - - [05/Sep/2018 22:20:50] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [05/Sep/2018 22:35:16] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [05/Sep/2018 22:35:33] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [05/Sep/2018 22:35:33] code 404, message File not found
127.0.0.1 - - [05/Sep/2018 22:35:33] "GET /assests/mt0.jpg HTTP/1.1" 404 -
127.0.0.1 - - [05/Sep/2018 22:35:45] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [05/Sep/2018 22:35:45] code 404, message File not found
127.0.0.1 - - [05/Sep/2018 22:35:45] "GET /assests/mt0.jpg HTTP/1.1" 404 -
127.0.0.1 - - [05/Sep/2018 22:35:50] "GET / HTTP/1.1" 200 -
^C----------------------------------------
```

** Press “Control” + “C” to end the server session.

(Otherwise it’s the equivelent to unplugging a hard drive w/ out “ejecting it” - BAD PRACTICE. As DIGITAL CITIZENS - we 💚 our hardware + software…)

HTML Elements / Tags, Attributes, Content

- Elements and tags used interchangeably