

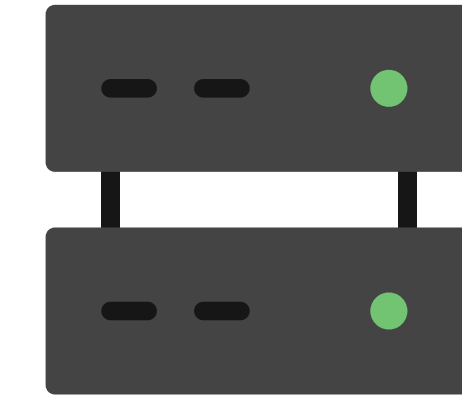
INTRODUCTION

TO THE INTERNET

THE INTERNET - ONE BIG NETWORK



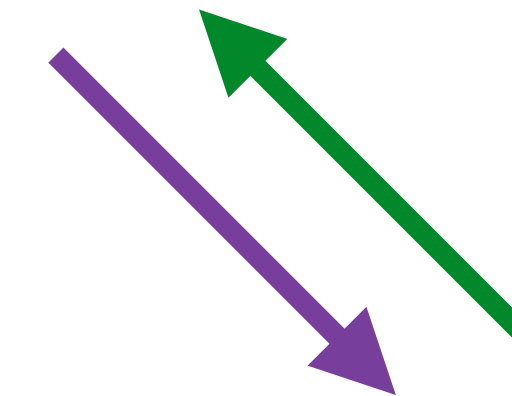
Your Computer



Google's Server



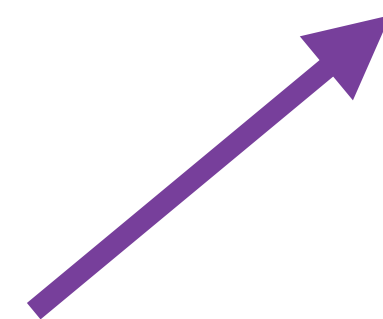
The Internet - a Wire Deep Underground That Everyone Connects to



UCSB's Server



Mom's Computer



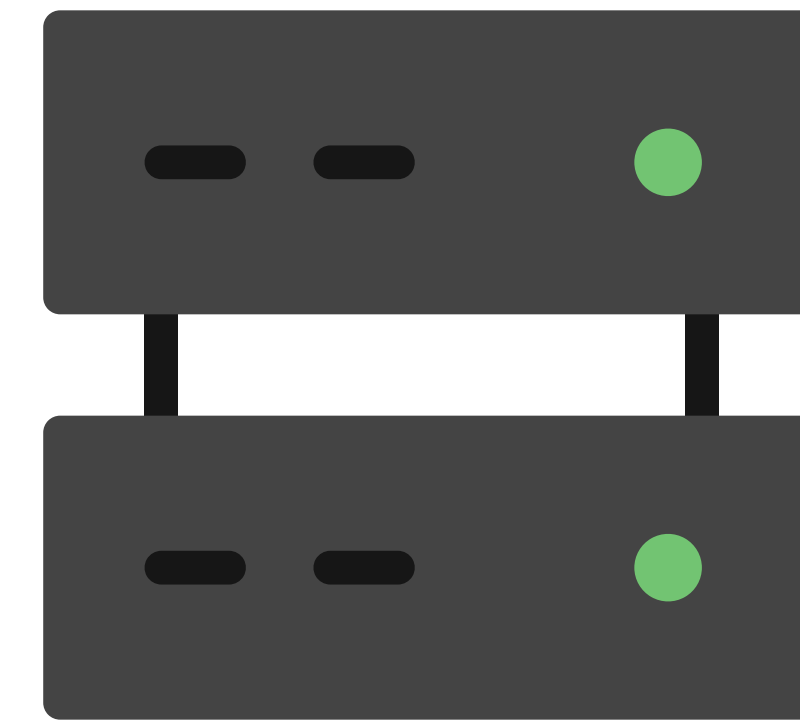
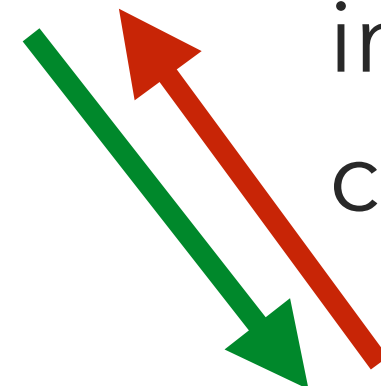
CLIENT VS SERVER



ip address: 68.108.254.12

Your Computer
Client

Does not allow
incoming
connections



ip address: 172.217.5.78

Google's Server
Server

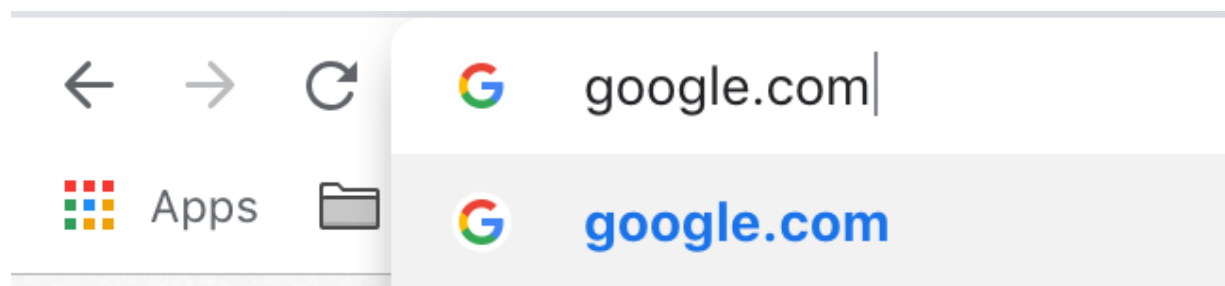
Allows incoming
connections



The Internet - a Wire Deep Underground That Everyone Connects to

DOMAIN NAMES / DNS

Open browser and enter google.com

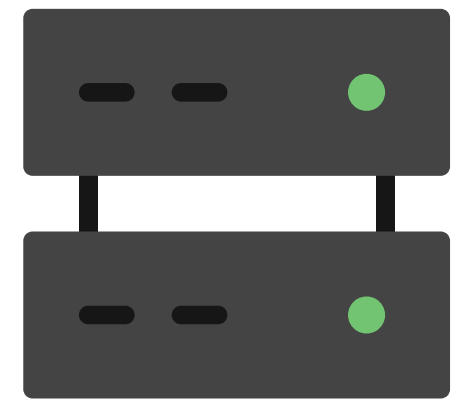


google.com
→

Your internet provider (COX for example) stores information regarding every domain and the ip address they point to. We call this a DNS (aka a Phonebook)



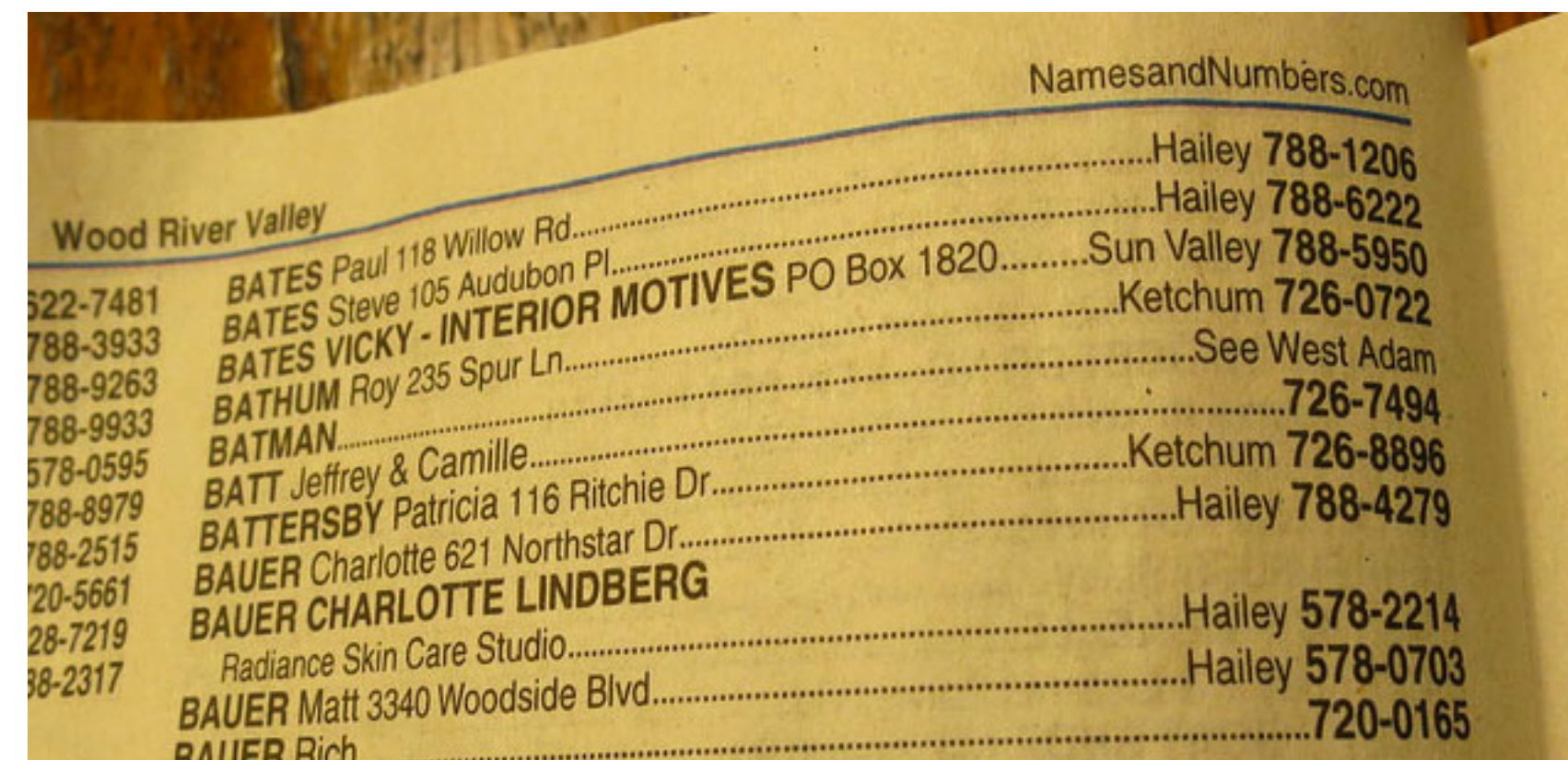
172.217.5.78 →



Google's Server

A DNS Holds basic info

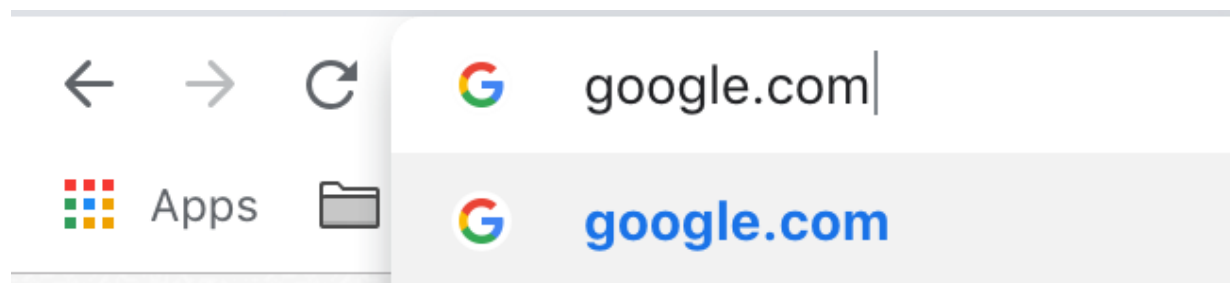
google.com	172.217.5.78
yahoo.com	72.30.35.10
ucsb.edu	23.185.0.2



Enter **172.217.5.78** in your browser, where do you think you will go?

DOMAIN NAMES / DNS

Open browser and enter google.com



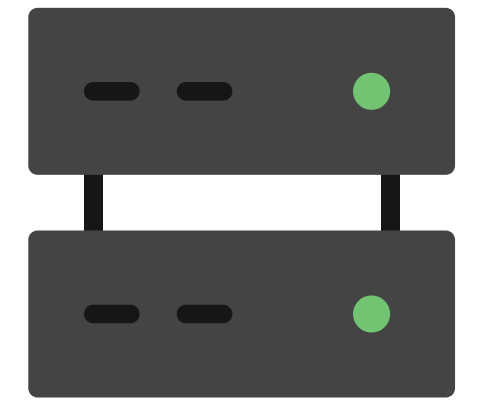
html text/code with instructions that tell the browser what and how to show it

google.com



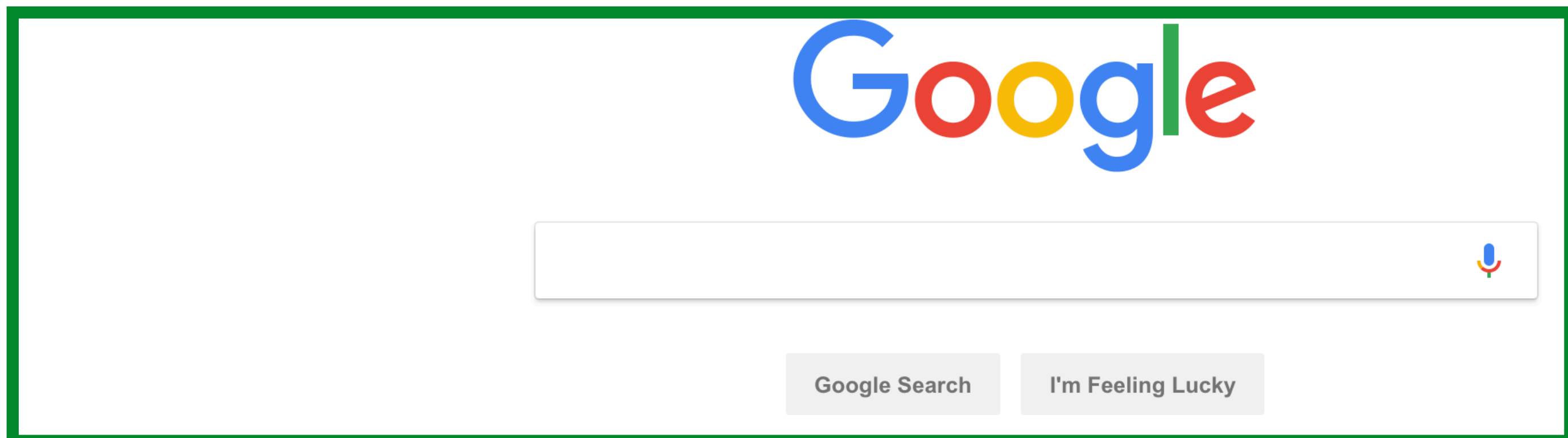
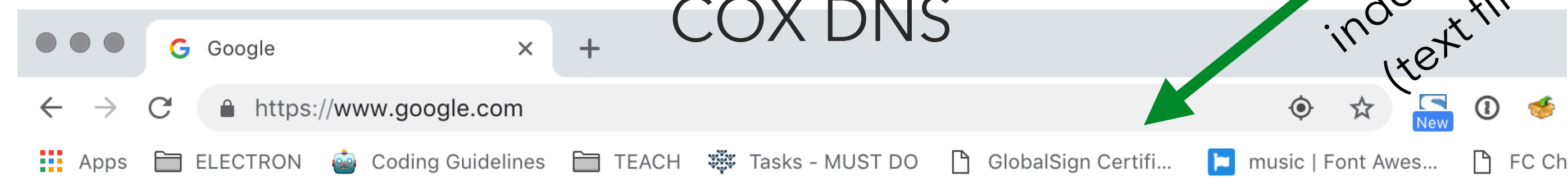
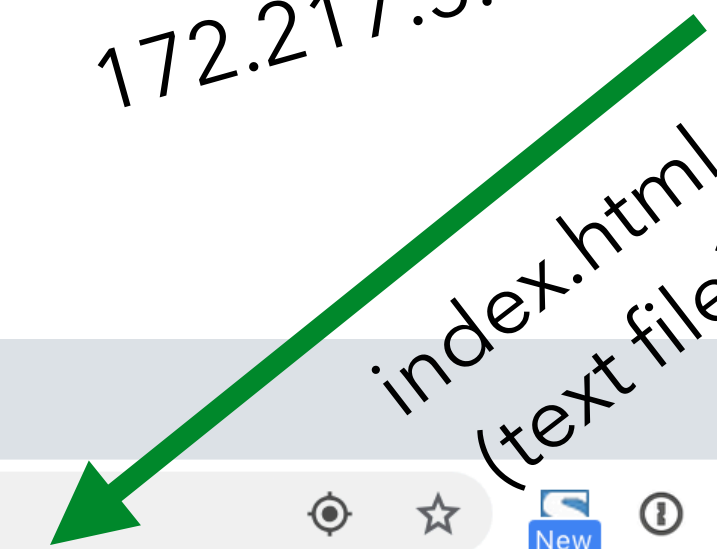
COX DNS

172.217.5.78

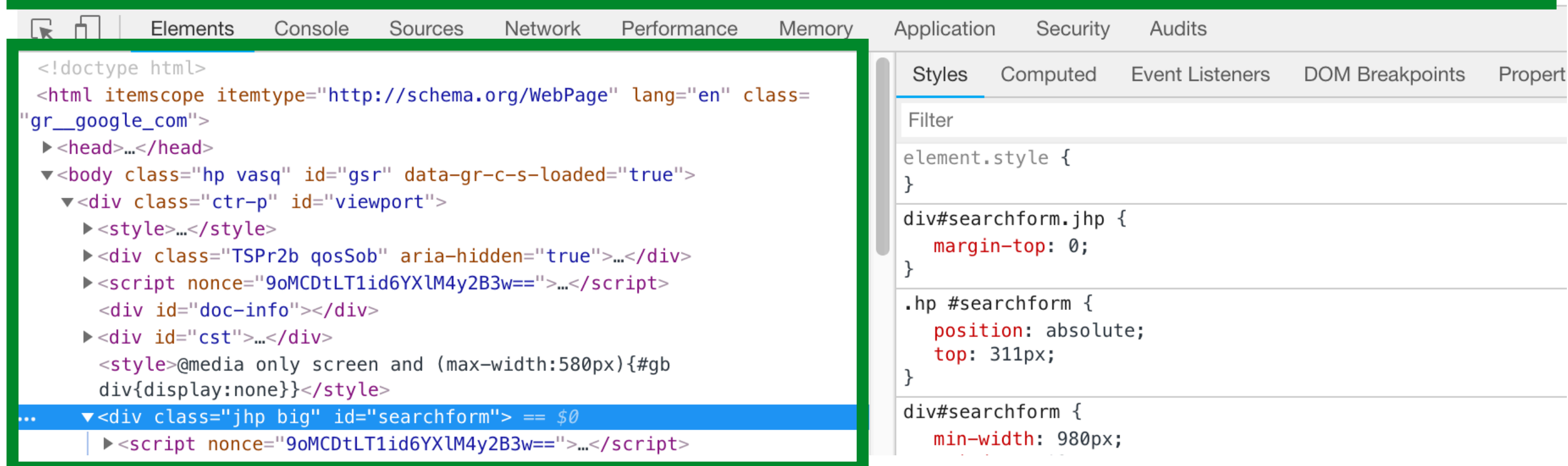


Google's Server

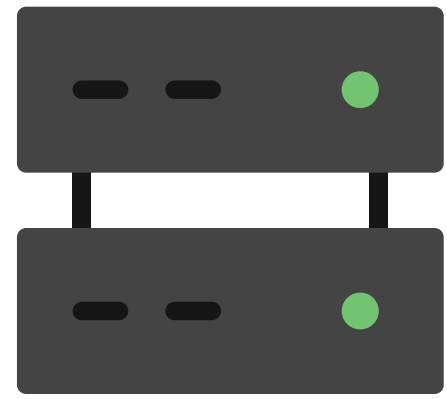
index.html
(text file)



Rendered by the browser



SERVER = ACCESS TO FILES IN A FOLDER



Google's Server

Basically a request from the browser gives you access to a folder inside the Google "Server" which is just a computer



/server/website/



/server/website/**index.html**

By default a browser/server will look for index.html as starting page



/server/website/logo.png

LET'S MAKE A SERVER, HOW HARD COULD IT BE?



/Users/agrublev/website



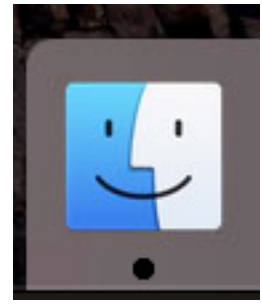
/Users/agrublev/website/**index.html**

```
npm install -g localtunnel
```

```
python -m SimpleHTTPServer 8052
```

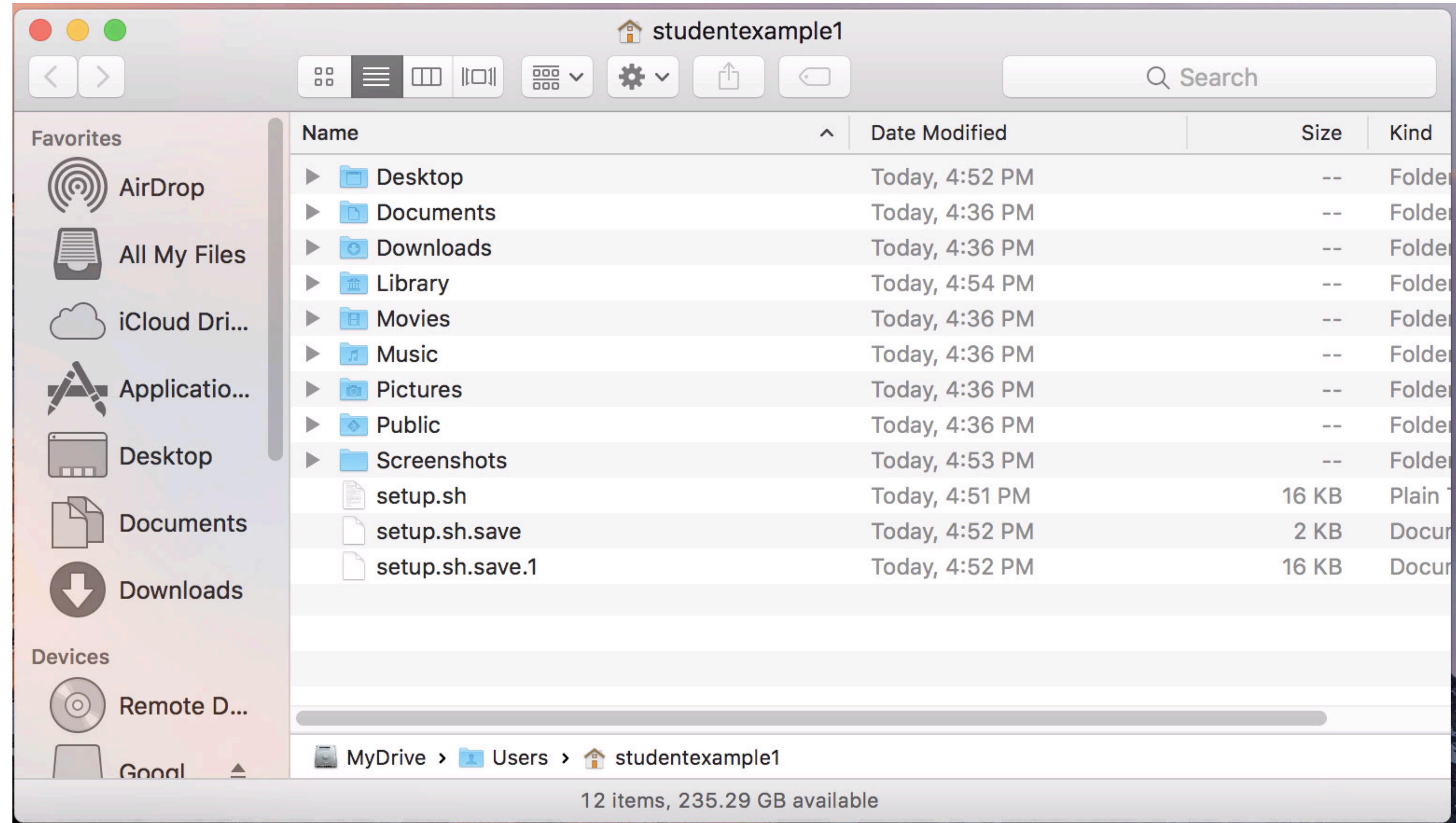
```
lt --port 8052
```


INTRODUCTION TO OSX



Finder Application

- Where your files and folders live
- User Folder
 - Desktop
 - Downloads
 - Screenshots *if used script*
 - Projects *create folder*



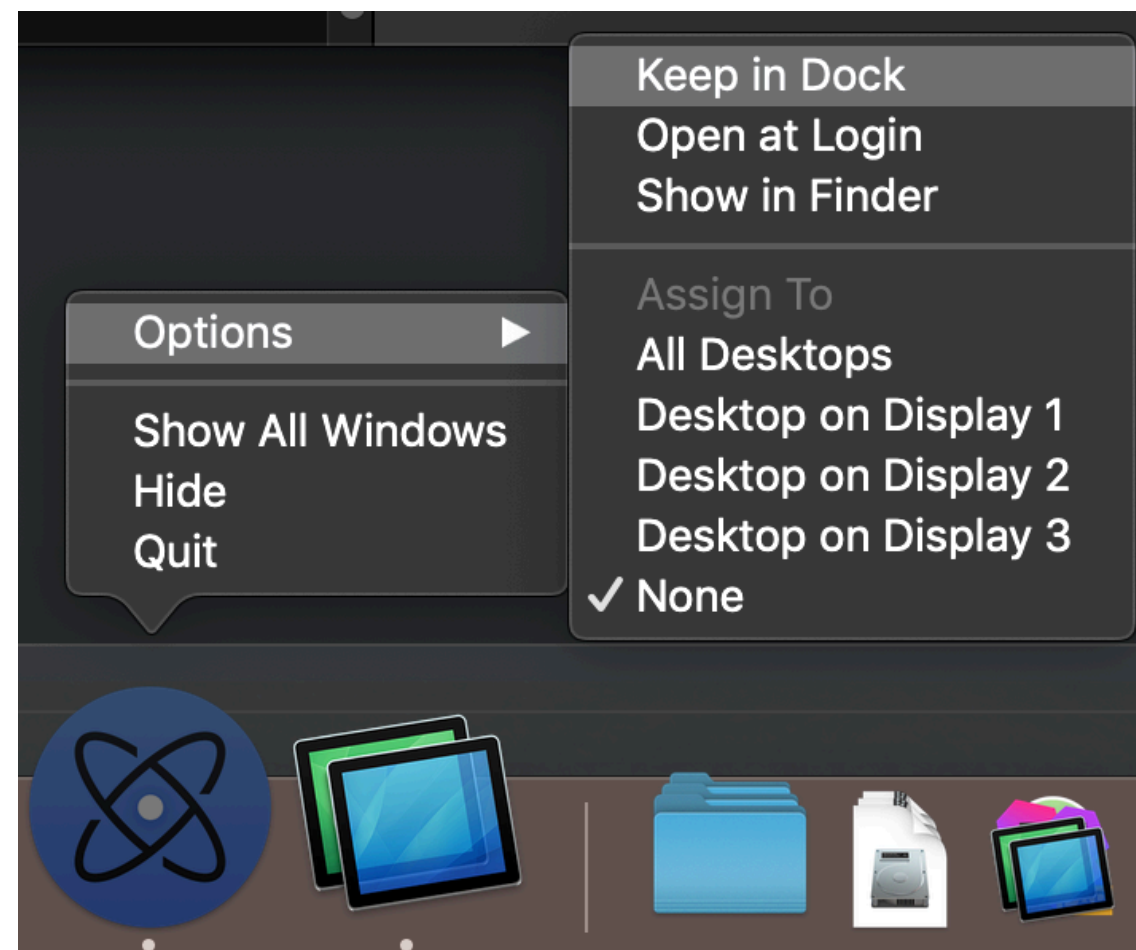
THE DOCK



Opened Apps

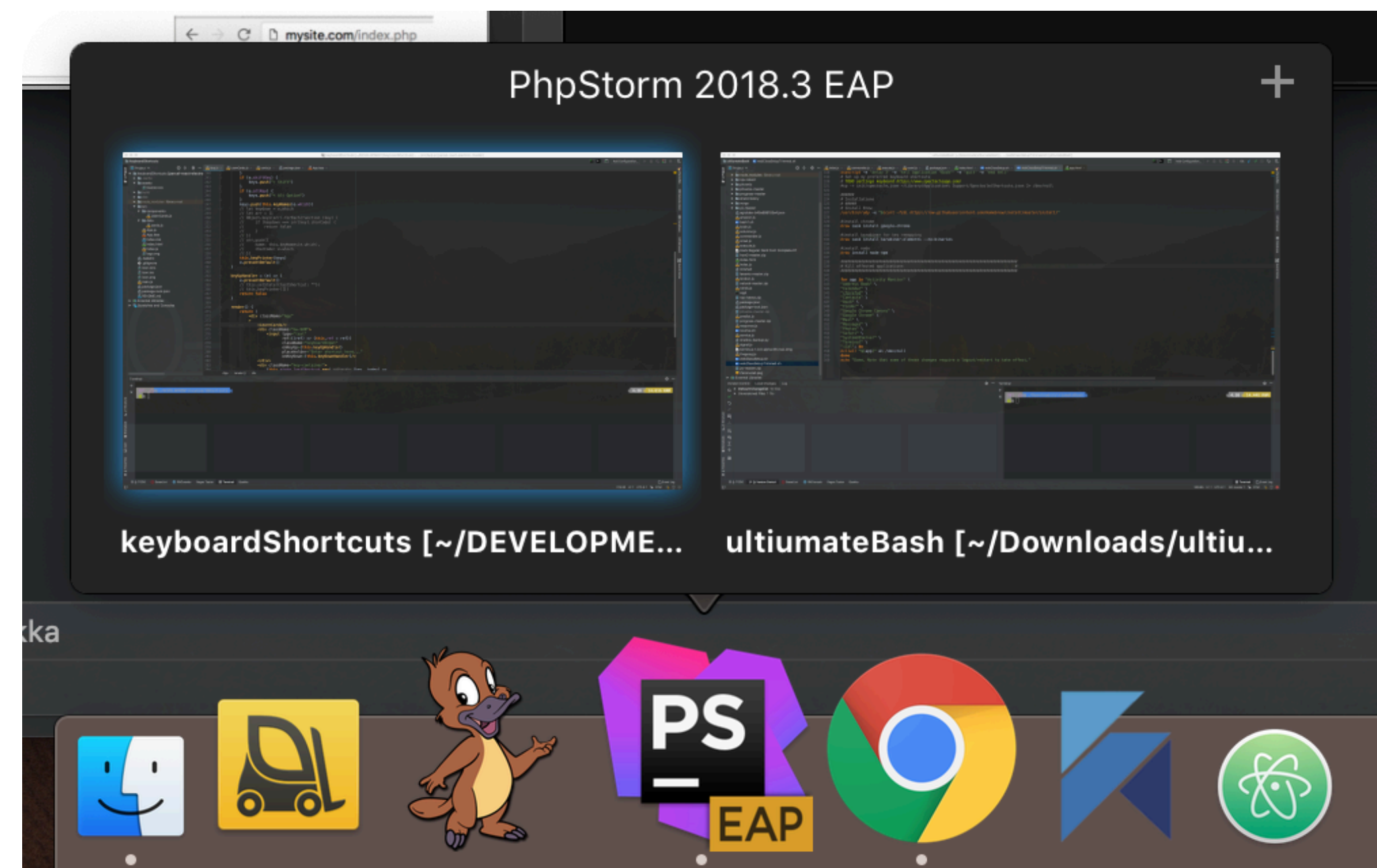
Pinned Applications

Minimized Apps



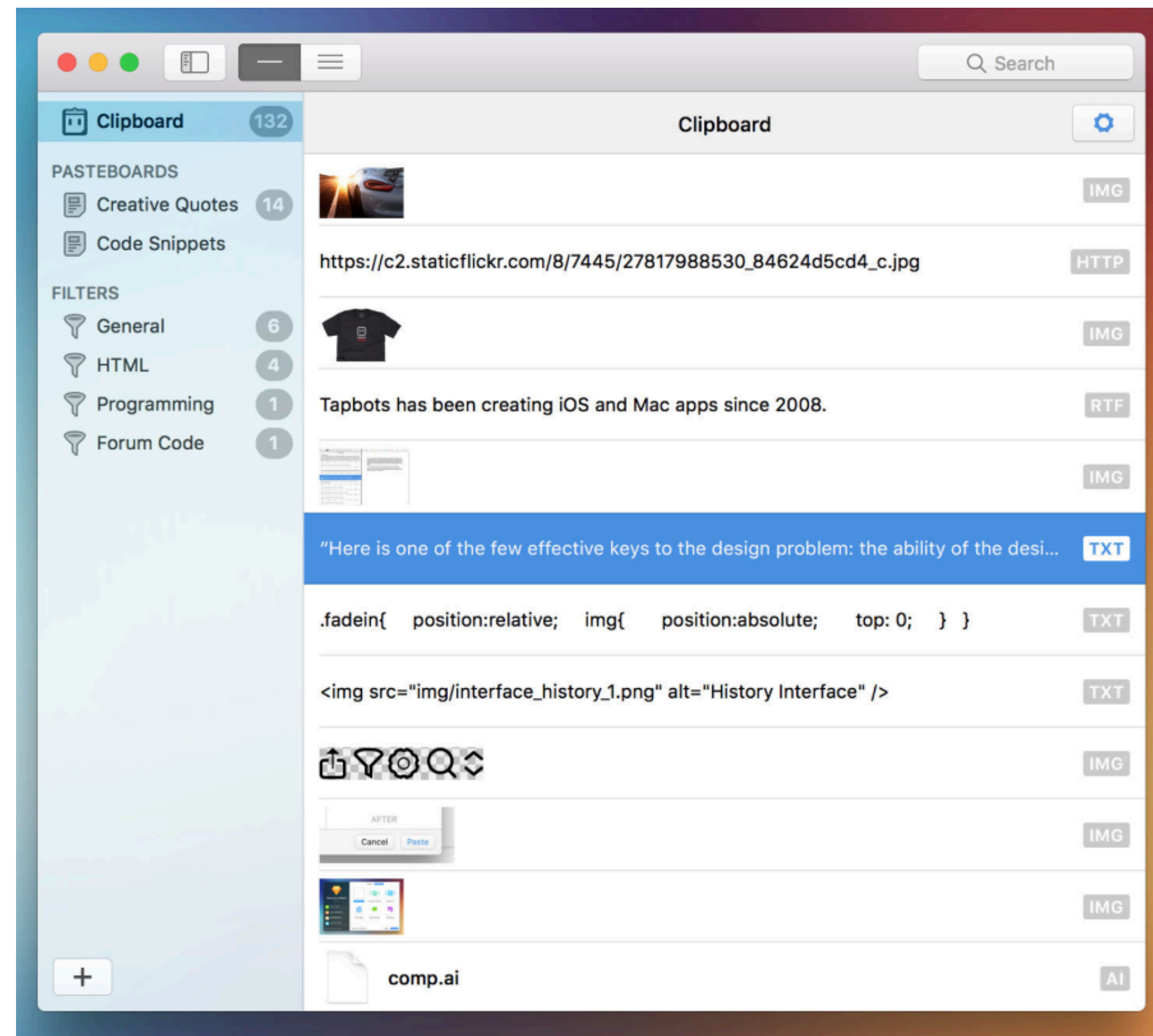
(HIGHLY) SUGGESTED APPLICATIONS

<http://x.co/hyperdock> \$9.95



(HIGHLY) SUGGESTED APPLICATIONS

<http://x.co/pastebot> \$9.99



SHORTCUT TRAINING

Download <http://x.co/myshortcut>

Homework by next week is to
send a screenshot of completed quiz