http:// draw.ironbeard.com
game name game 5
draw and guess game   book Nat 8 hrs

what is the web?
* web pages / web site
* web server
* links :
* THE WEB IS HTTP   (ftp is not) (irc is not) (ott school email is not)
   · Web Pages
   Web sites                        REAL-TIME
   File Formats: HTML (XML) ???
   Secondary
      File Formats: jpg, png, CSS, javascript Java Script

what is web development?
   ↳ writing computer programs
   ↳ software development (for the web)
   ↳ are these web apps? YES BUT NOT ONLY'S WEB APPS
   they either "speak" HTTP, or interact with a web browser
"a lot of software dev." ... [ has a ] ... "web component" ... [ to it ]

HTTP is a network protocol ⟹ by definition web dev is distributed systems dev

*systems integration
*distributed systems
* Google Search                    HW : Individual      THIS CLASS :
                                                         TOOLS: Phoenix / Elixir / ReactJs   like ISL   a lot like big Bang
                                                                PostgreSQL / Nginx / Linux
                                    CODE INTENSIVE!                          ↰ SET UP MACBOOK
Search Page                         WRITING INTENSIVE:                        FOR LINUX TONIGHT!
  - In browser; web page                 design document                    virtual virtual
  - Press Button, hit web server/service                                    • remote into a
      - written in C++                                                        server
      - works by sending requests to a cluster
        of workers that do Map Reduce over GFS data store

- Web Crawler (Googlebot):              ccs.neu.edu/home/ntuck        →
    - Browses the web.               * master's have more tasks
    - Complex database/indexing/file                                    BOTTLENOSE
                                                                        ONE HW
                                       SECTION 01                     ⋆ DUE SUNDAYS
OH Mon & Thurs      Arvin             ⋆ go to the Tuesday lecture
 2p - 3p  NI ...    Ben,                  on HTML & CSS ; JS & DOM
                    Navya &
                    Azmogyai
                    Manosya

need server & domain name

(gcloud) (gandi, namecheap)

Ubuntu 16.04 & 1GB of ram

atom language-elixer
auto-indent → also a web app

**IN THE NOTES**

edit hosts file

sudo vim /etc/hosts

ssh root@monday-demo

make a non-root user

adduser not uname:
password... make some complicated shit

ssh-copy ssh-copy-id root@monday-demo

---

firewall:
    ufw allow 22     (ssh)
    ufw allow 80     (http)
    ufw allow 443    (https)
    ufw allow 4000 : (phoenix dev server)

make sure can become root from other user

sudo whoami     sudoers file  visudo

whoami

vim etc/ssh/sshd-config
    permitrootlogin no

sudo ssh restart

---

VPS (vultr, linode, prgmr)

ssh-keygen
cat ~/.ssh/id_rsa.pub

Xubuntu 16.04

95+ → A
90+ → A-

• one bad homework is
  a whole letter grade

※ code challenges
  two-week limit

* whoever pushed first wins
* class code isn't starter
  code.

pwgen 12 1

• log file for
  ssh login attempt

* LOOK @
  the git
  documentation

80:80 ?
TCP ports