Demo: BASH

Unix
• Built into OSX
• Power and control over Mac
• Speed up workflow
• Command line = more control (manual)
• GUI (graphical user interface) = visual (automatic)
• Kernel = core of OS (operating system)
  o Allocates time and memory to programs
• Shell = outer layer of OS
  o Interacts with user
  o Sends requests to kernel
• Bash = Bourne Again Shell
  o echo $0

Terminal
• Applications > Utilities > Terminal
• OR launch Utilities (shift + command + u) from finder
• OR Spotlight Search (command + spacebar)
• Bash command line prompt
  o Left/Right Arrow keys to navigate text
  o Up/Down Arrow key to cycle through prior commands
  o Move cursor to start (control + a)
  o Move cursor to end (control + e)
  o Move cursor inbetween (option + click)
  o Zoom text (command +/-/0)
  o Auto complete (tab)
  o Clear (command + k) or type clear
  o End process (control + c)
  o End session type exit or close terminal window

Command Structure
• Command Options Argurements
  o echo ‘hello world’
  o banner –w50 ‘hello world’
Navigation commands
• `pwd` = present working directory
• `ls` = list contents of `pwd`
• `cd` = change directory
  • `cd Desktop`
  • `cd Desktop/myfolder`
  • OR drag folder on to terminal window (kind of a cheat)
• `cd ..` = go up a directory
• `cd ../..` = go up two directories
• `cd /` = go to root of computer
• `cd ~` = go to user directory
• `cd -` = toggle between last 2 directories
• dealing with directories that have names with spaces
  • `cd my\ directory` (escape character)
  • `cd 'my directory'` (use quotes)

Create files and folders
• `touch`
  • create files
  • `touch test.html`
• `mkdir`
  • make directory
  • create folders
  • `mkdir css`