hand coding round robin syllabus

part I ~ lecture

0:50 – 0:40

1. COMPUTATION AS METAPHOR

In leading up to this workshop, I have been thinking a lot about computation as metaphor. Because all computational systems are always and already built on top of metaphor then computers require that programming, as we know it today, be a set of abstract processes.

2. WOMEN WORKING ON THE MARK II

By this, I mean that if computers at their core are just complex sets of on and off switches then everything we do on our computers today abstracts away those complexities. The abstractions allow us to do what exactly what we want to do on our computers without thinking and with speed. Computer time has always been more important than human time.

3. DESK CRUSHING DESKTOP CARTOON

Then there’s the GUI. The idea of a file inside a folder on a desktop...and there's a trashcan. The office metaphor, one which we may never get away from. But what is the file really? And what is the folder? I just learned that folders aren't actually anything. They don't take up \*any\* space on your computer.

4. ILLUSION OF POWER

We’ve gone from physical programming, to abstracted programming to the GUI. Since folders and files, which if we looked closely at them might not resemble anything close to a piece of paper inside a folded piece of paper, are already metaphors and therefore abstractions of the code required for physical computation to occur then the feeling of control that we as users of computers have is also an illusion of power over our computers.

5. HOOLI BROGRAMMERS

I think it's important to note this illusion. I think having an illusion of control leads programmers down a potentially dangerous path. Programmers, through the creation of complex processes and algorithmic systems go through so many hurdles trying to get the computer to do what they want it to do. When the computer finally obeys their commands, they are granted with this feeling of immense gratification and power.

6. EMPATHY VACUUM

I'm wondering, if the process of programming a smartphone application, for instance, is rooted in notions of command and control and illusion and power, and if all computation is metaphor, does this make for potentially dangerous results? Does it perhaps mean that programmers get so caught up in the power dynamic between themselves and their computer that they lose sight of how what they're doing lives in the real world alongside real humans?

7. GRANDMA WRITING EMAILS

What would it mean if programmers had to manually move the switches to on and off positions in order to make their program work? What if programmers had to press the keys of their keyboards so gently that it required them to move extremely slow and therefore with care?

8. CAMERONS WORLD OF GEOCITIES

Enter hand coding. Hand coding is the process of development that bridges the gap between you as the programmer and your computer, specifically your browser, as the performer of the program. The code you will write in this workshop will be very particular and you will write out each character slowly and by hand, no copying or pasting. You will also do this on each other computers - the intention here is to perhaps erode this feeling of ultimate control that you have over your computer's system and to move carefully around someone else's.

part II ~ round robin

0:40 – 0:35

9. Rename your-name.html file, open in browser and editor, review head and body tags, change color value

0:35 – 0:30

10. H1 tag, style by id

0:30 – 0:25

11. Move down one seat, P tag inside div tag, style by id

0:25 – 0:20

12. Move down one seat, IMG tag with ID, copy and paste url for image

0:20 – 0:15

13. Move down one seat, Style image by ID

0:15 – 0:10

14. Move down one seat, Freestyle ~ what is the hidden meaning of the web page (feel free to uncomment javascript below)

0:10 – 0:05

15. Return to original seat, final P tag, style by ID

0:05 – 0:00

Share files!!

*coding reference (possibly the smallest coding reference ever, visit w3 schools for more!)*

HTML

*\*\* pay close attention to spaces and quotes when writing HTML \*\**

**<h1 id=”**thisismyid**”>**omg hand coding is so fun**</h1>**

**<p id=”**your-id-names-should-never-contain-spaces**”>**After this workshop you might want to check out a project by olia lialina called on the internet everybody knows you had a dog. It is a series of geocities websites about dogs and it is amazing.**</p>**

*\*\* image tags are self closing! \*\**

**<img id=”**my-fav-picture**”** **src=”** http://imageofdog.com/pbr-dog**”** **alt=”**a picture of a dog that looks like he’s drunk sitting at a table with a bunch of empty PBR cans in front of him**” />**

**<h2>**not all elements need to have an id, this is an example of a secondary heading, maybe like a by line or phrase that would go underneath your main h1 heading element**</h2>**

**<blockquote>**you don’t have to put a quote in here but if you use this element you should because you are telling the browser it is a quote and that it should be read by screen readers as such. you can quote me on that.**</blockquote>**

**<img id=”**my-second-favorite-picture**”** **src=”** http://imageofdog.com/smiling-dog**”** **alt=”**a picture of a dog that is smiling**” />**

CSS

#thisismyid {

background-color: chartreuse;

color: mediumpurple;

border: 10px dotted hotpink;

}

*In the example below the property is* ***font-size*** *and the value is* ***35px.*** *You can define any whole number pixel value here, for example* ***3px*** *or* ***120px.***

font-size: 35px;

*In the example below the property is* ***position*** *and the value is* ***absolute.*** *Other possible values for the position property are* ***fixed*** *or* ***relative*** *or* ***sticky.***

position: absolute;

*\*\* more common css properties and values below \*\**

top: 30px;

left: 80px;

border-radius: 50%;

transform: rotate(-20deg);

word-break: break-all;

text-transform: uppercase;

text-align: right;

width: 33%;

height: 300px;

letter-spacing: 3px;

word-spacing: 4px;

font-weight: bold;

margin-bottom: 20px;

text-shadow: 2px 2px blanchedalmond;

padding: 10px 20px 30px 5px; *\*\*top right bottom left\*\**

*\*\* more CSS color names \*\**

*lightskyblue mediumseagreen darkslateblue teal*

*deeppink palevioletred chocolate blueviolet*

*aquamarine snow tomato dimgray*

*mediumorchid saddlebrown silver sienna*

*palegoldenrod salmon lawngreen maroon*