Web Development Club: Week 05

How to approach website design - Catch Up Day

Last Week Recap

Last week we went over some example uses of HTML and CSS code, including how to define and change <div></div> sections, background-image and color, margins, borders, etc. Such as how the 'class' attribute can be used to modify CSS:

```
<div class="header">
        <p>Welcome to my page</p>
</div>
<style>
.header {
        background-color: lightblue;
}
</style>
```

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Introduction to Web <u>Design</u>

Most of the lessons we've done so far during club have focused on the technical aspect of web development - coding

However, there is also a creative aspect to web development - designing

When you make a website, you have to first figure out what it's purpose is
- What is your goal with the whole site? Each page?
    - Examples can include: selling a product or service, reviews of media, resume or self-introduction, blog, photography collection or art portfolio, file sharing, article writing
- Then, make a general outline of page functions that are necessary to achieve your goal (picture grid, sections for writing, what should go in headings)
- Later you can adjust and add things to make it look nicer

Website Formatting Notes

When you browse the internet, take notes on sites you think look nice and why, look for aspects of the page format that you might be able to implement on your own site:
- Headings, containers, color cohesiveness, background images
- Try out things you think you could do, make note of things you don't know how to do yet (we haven't learned many transitions, effects, etc)

As an example, I found this site recently: ecologyandsociety.org

Make special note of how divisions on a site fit within one another (inspect element) like sections within a container, how margins and padding work, etc.

Practice Tips

Trial and error is best for learning how web design works, if you need a quicker code -> visual effect than github, try w3schools which has its own built in html editor

If you want to practice more on your own time, I highly recommend trying out inspect element and neocities (you can find some website examples on neocities too)

Some page source code will be more difficult to decipher than others, try replicating parts of a page using your knowledge of HTML and CSS

Coding Example – HTML

```html
<body>
<div class="container">
<img class="fishpainting" src="https://i.imgur.com/YG7Jt6O.jpg">
 <div class="textbox">
 <p> This is a painting of some fish </p>
 </div>
 </div>
</body>
```

Coding Example – CSS

```
<style>
body {
  background-color: #333333;
}
.container {
  max-width: 70%;
  margin-left: auto;
  margin-right: auto;
  border: 5px solid black;
  border-radius: 40px;
  background-color: #ffffff61;
  margin-top: 10%;
}
```

```
.fishpainting {
  margin: 20px;
  border-radius: 10px;
  position: relative;
  max-width: 500px;
}
.textbox {
  margin: 20px;
  font-size: 50px;
  display: block;
  max-width: 400px;
  float: right;
  margin-right: 9%;
}</style>
```

What this codes for is on the next slide:

Coding Example – Visual Display

This is a painting of some fish

Questions and Practice

Find a specific aspect of your site that you want to work on:
- For example: headers, containers, sections of writing

Then, think about what you need to code for to get what you want:
- Do you want it to be a certain color, centered, have a border?

Feel free to ask questions about how to do these things, and please reference the other lesson slides or other resources like w3schools

Practice

Feel free to ask questions and don't be afraid of trial and error,
see you next week!