Intro to Computer Science & Programming
for Adults

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Welcome Back!

One more time!

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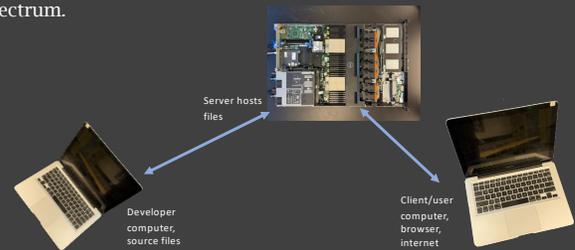
Week 4

1. Creating a webpage / website
2. Exporting / sharing your page
3. HTML/CSS/Javascript
4. Hex colors, Fonts
5. Template – graphic elements - colors
6. BREAK
7. Webpage design work
8. Thank yous and Goodbyes

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Creating a webpage

Website development and management occurs across a broad spectrum.

Server hosts files

Developer computer, source files

Client/user computer, browser, internet

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HyperText Markup Language (HTML)

We'll make a "good" webpage in a moment. First let's learn a little about how HTML works.

1. Log into pickcode.com
2. Sandbox → New Project → Language: HTML... → Website → Title: lastnamefirstinitial
3. We'll start with the index.html file that is presented to us.

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HTML tags   < > and </ >

```
<h1>This is a header</h1>
<h2>Smaller header</h2>
<p>Enclose a <b>paragraph</b> with these <i>tags</i>!</p>
<ol>
    <li>A list with numbers</li>
    <li>These are the items</li>
</ol>
<a href="https://cnn.com">CNN News</a>
<img src="header_image.jpg">
```

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Cascading Style Sheets (CSS)

```
<head>
    <style>

        <!-- styling goes here -->

    </style>
    <body>

        <!-- website goes here -->

    </body>
</head>
```

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Hex Color Codes

Binary is one way of coding values. Another is...
Hexadecimal, with 16 symbols, 0-9,a-f. So...

00, 01, 02, ... 09, 0a, 0b, 0c, 0d, 0e, 0f, 10, 11, 12, ... 19, 1a, 1b, 1c...
0   1   2   9   10 11 12 13 14 15 16 17   18

Colors in HTML are often indicated with a hexadecimal code

red (00-ff)   green (00-ff)   blue (00-ff)

#ff0099

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Fonts

Helvetica
Georgia
Gill Sans
Baskerville
Monaco
Courier
Didot
Palatino

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Cascading Style Sheets (CSS)

```
<style>
    body {
            background: #ff0099;
            color: #000000;
            margin: 0; padding: 0;
            font-family: Didot;
        }
    h1 { font-family: Georgia, serif; }
    p { font-family: Gill Sans, sans-serif;
        font-size: 1.2rem;
        line-spacing: 1.5;
    }
</style>
```

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Starter files

From the webpage at crashwhite.com/cs4a/session4.html get the file html_files.zip.

Follow the instructions on our website to get those files onto your pickcode.io website.

Once you've got those files there, modify as you wish to create your own website.

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Break

Back in 10 minutes?

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Continue to develop…

Let me know when you're ready to try viewing your files on the Internet (via your browser or phone).

I'll copy your files from pickcode.io onto the server.

View your website at https://crashwhite.com/cs4a/valenzuelag , etc.

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Thank you!

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