



CSc 337 - HTML

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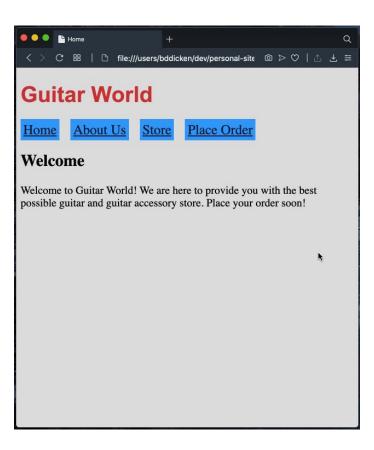
HyperText Markup Language

- Markup Language != Programming Language
- HTML specifies the content of the website
- Not responsible for

| 0 | Style (| colors. | fonts. | positioning, etc) | CSS |
|---|---------|----------|-----------|-------------------|-----|
| _ | CLYIC | (001010, | , 101160, | poditioning, oto, | |

- Animation / Interaction
 CSS / Js
- Functionality / Computations
 Js
- NetworkingJs

The Goal



Text Editor, Vim

- I'll be using vim a lot for this class
- Remote sessions
- Vim Tutorial
- How to get setup for Windows

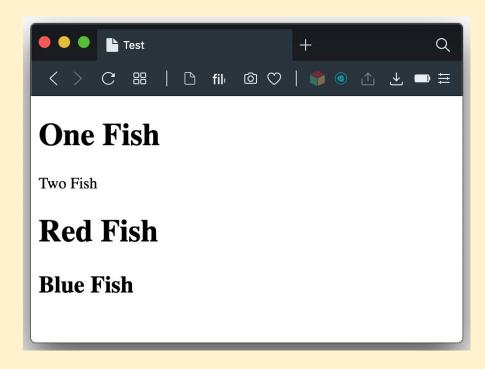
```
<!DOCTYPE html>
<html>
  <head>
  </head>
  <body>
  </body>
</html>
```

```
<!DOCTYPE html>
<html>
  <head>
    <title>Guitar World</title>
  </head>
  <body>
    This website is all about guitars.
  </body>
</html>
```

```
<!DOCTYPE html>
<html>
  <head>
    <title>Guitar World</title>
 </head>
  <body>
    <h1>Guitar World</h1>
    <h2>Home Page</h2>
    <h3>Welcome!</h3>
    Buy guitars here!
 </body>
</html>
```

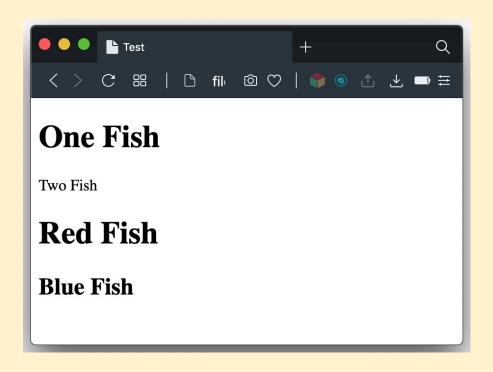
Write the HTML

What HTML in the body of a webpage would produce this result?



Write the HTML

What HTML in the body of a webpage would produce this result?



```
<body>
<h1>One Fish</h1>
Two Fish
<h1>Red Fish</h1>
<h2>Blue Fish</2>
</body>
```

Display Type

- By default, browsers display many HTML elements in either block or inline mode
- Block means that each element is on its own row, and consumes the entire page width
- Inline means that elements can be displayed inline, do not consume entire width
- vs <div>

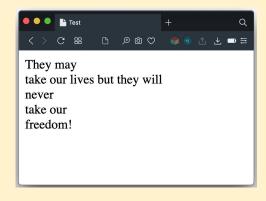
https://www.w3schools.com/css/css_inline-block.asp

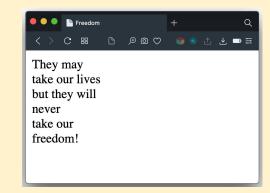
```
<!DOCTYPE html>
<html>
  <head>
    <title>Guitar World</title>
  </head>
  <body>
    <div>Taylor</div>
    <div>Ibanez</div>
    <div>Fender</div>
    <span>Martin</span>
    <span>Yamaha</span>
    <span>Ernie Ball</span>
  </body>
</html>
```

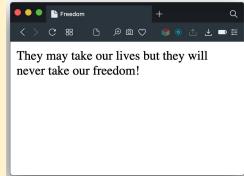
Activity

What would the HTML display?

```
<!DOCTYPE html>
<html>
  <head>
    <title>Freedom</title>
  </head>
  <body>
    <div>They may</div>
    <span>take our lives</span>
    <span>but they will</span>
    <div>never</div>
    <div>take our</div>
    <span>freedom!</span>
  </body>
</html>
```







List Data

- For displaying, well, lists
- Use
 - o ul>to state the existence of an unordered list
 - o to state the existence of an ordered list

```
<body>
  <u1>
   Guitar
   Bass
   Drums
  <01>
   Taylor
   Martin
   Ibanez
  </body>
```

```
<body>
  <u1>
   Guitars
    <l
     Acoustic
     Electric
     Air
    Bass
   Drums
  </body>
```

Tabular Data

- Often useful to display data in a grid-like format
 - ESPN stats, wikipedia data, gradebook
- Use
 - to state the existence of the table, and within
 - c
 represents a row in the table

```
<body>
Guitar
  Bass
 Taylor
  Ernie Ball
 Martin
  Ibanez
 </body>
```

What would the HTML display?

```
<body>

    A

    A

    B
    C

    C

    D
    E

    D
    E

    C

    C

    C

    C

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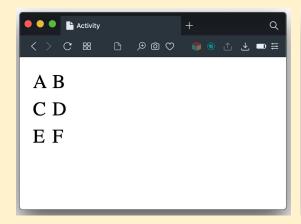
    C

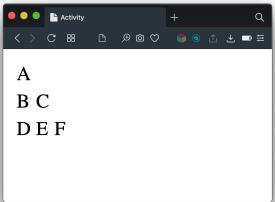
    C

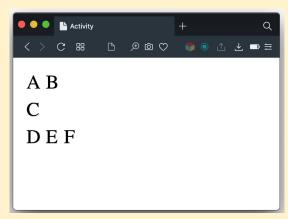
    C

    C

    C
```



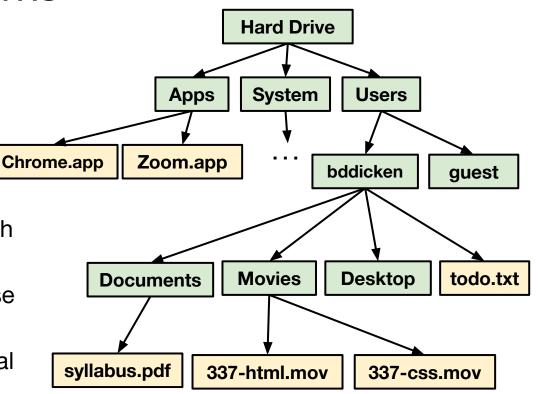




Files and File Systems

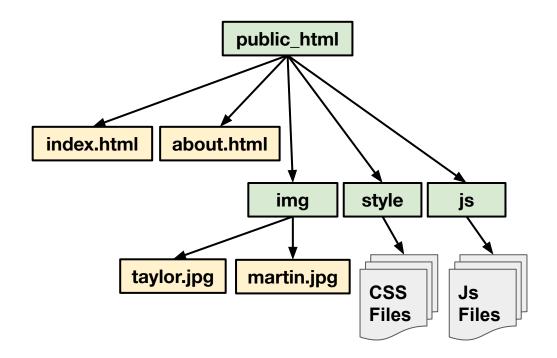
 On (at least most of) our computers, there is a file system via which we can create, save, modify, and remove files

- On Mac: can browse with Finder
- On Windows: can browse with windows explorer
- File systems often hierarchical



Website Structure

- All files go in public_html
- Always have an index.html
- Can have other "pages" too
- Subfolders for resources

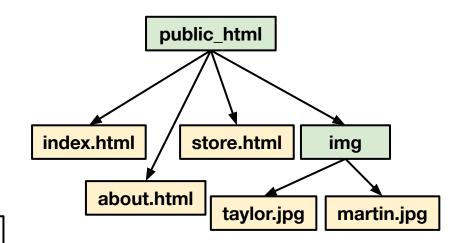


The a tag

<a> used to link from one page (html file) to another

In index.html:

```
<a href="./about.html">About Us</a>
<a href="./store.html">Shop</a>
```

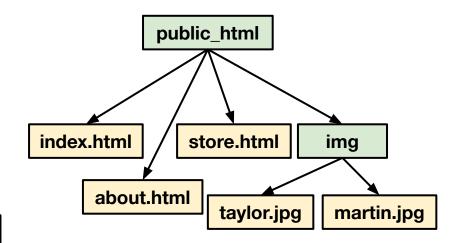


The img tag

 used to link from one page (html file) to another, self-closing

In store.html:

```
<img src="img/taylor.jpg"
    alt="Pic of taylor Guitar"
    width="200px"
    height="100px" >
```



Let's build it!



(For now, skip "Place Order" page)

HTML Validator

https://validator.w3.org