HTML: Markup

CSS: Styling

JavaScript: Interactivity

JavaScript (JS) is a scripting language that enables you to create dynamically updating content, control multimedia.

* Developed at Netscape.
* Nothing to do with Java.
* 90% browser market share.
* Invented by Brendan Eich.
* Tolerate “minor” errors.
* Easy to copy and paste.
* Simplified eventhandling.
* Pick a few hard-working

Spaghetti Code

Writing JavaScript is hard.

Performance Issues:

Client-side Javascript that renders HTML.

Node is a runtime environment.

It comes with most stuff.

We use node so that we don’t have to be in the browser.

/Users/brettmoody/Desktop/Everything/Brett-Official/CollegeFiles/Fall\_2018/AppLab\_Class

Bretts-MacBook-Pro-3:lab\_1 brettmoody$ cd ...

-bash: cd: ...: No such file or directory

Bretts-MacBook-Pro-3:lab\_1 brettmoody$ cd .

Bretts-MacBook-Pro-3:lab\_1 brettmoody$ cd ..

Bretts-MacBook-Pro-3:AppLab\_Class brettmoody$ touch <coolNewStuff>

-bash: syntax error near unexpected token `newline'

Bretts-MacBook-Pro-3:AppLab\_Class brettmoody$ touch theSky.js

Bretts-MacBook-Pro-3:AppLab\_Class brettmoody$ ls

CoffeeSC.mp3 lab\_1 theSky.js

Bretts-MacBook-Pro-3:AppLab\_Class brettmoody$ ls

CoffeeSC.mp3 lab\_1 theSky.js

Bretts-MacBook-Pro-3:AppLab\_Class brettmoody$ vim theSky.js

Bretts-MacBook-Pro-3:AppLab\_Class brettmoody$ cat theSky.js

console.log("Hello worldn.");

Bretts-MacBook-Pro-3:AppLab\_Class brettmoody$ node thesky.js

Hello worldn.

Bretts-MacBook-Pro-3:AppLab\_Class brettmoody$