

# 1.125 – Software Engineering and Architecting

Lectures 2-3

JavaScript and the Dynamic Web

# JavaScript

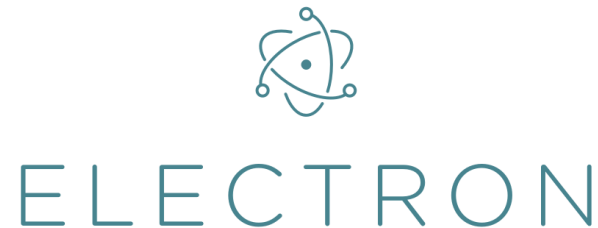
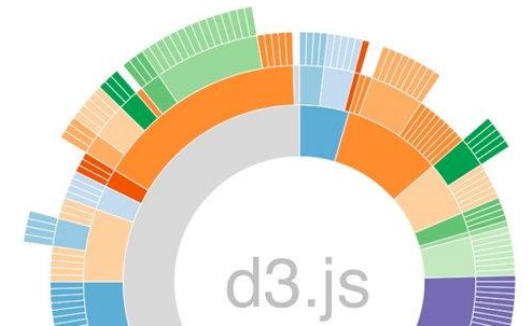
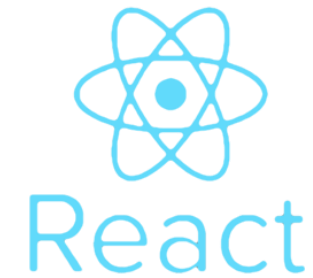
- Created in 1995 to allow non-programmers to program in the web
- Brendan Eich at Netscape was given **10 days** to create a new language
- JavaScript and Java have nothing in common\*
- JavaScript is a scripting language
- Weakly typed



JavaScript



# JavaScript - Frameworks



# JavaScript

## Basics of JavaScript:

- Variables – the building blocks of data
- Arrays – ordering the data
- Objects – storing data in key-value pairs
- Functions – Keeping logic in self-contained blocks
- Callbacks – Specially used Functions

# In Class Lab

## JavaScript + Developer Console

# JavaScript in the Browser

W3Schools

[https://www.w3schools.com/js/js\\_htmlDOM\\_methods.asp](https://www.w3schools.com/js/js_htmlDOM_methods.asp)

Mozilla Developer Network

[https://developer.mozilla.org/en-US/docs/Web/API/Document\\_Object\\_Model/Examples](https://developer.mozilla.org/en-US/docs/Web/API/Document_Object_Model/Examples)

# In Class Lab

## DOM + JavaScript