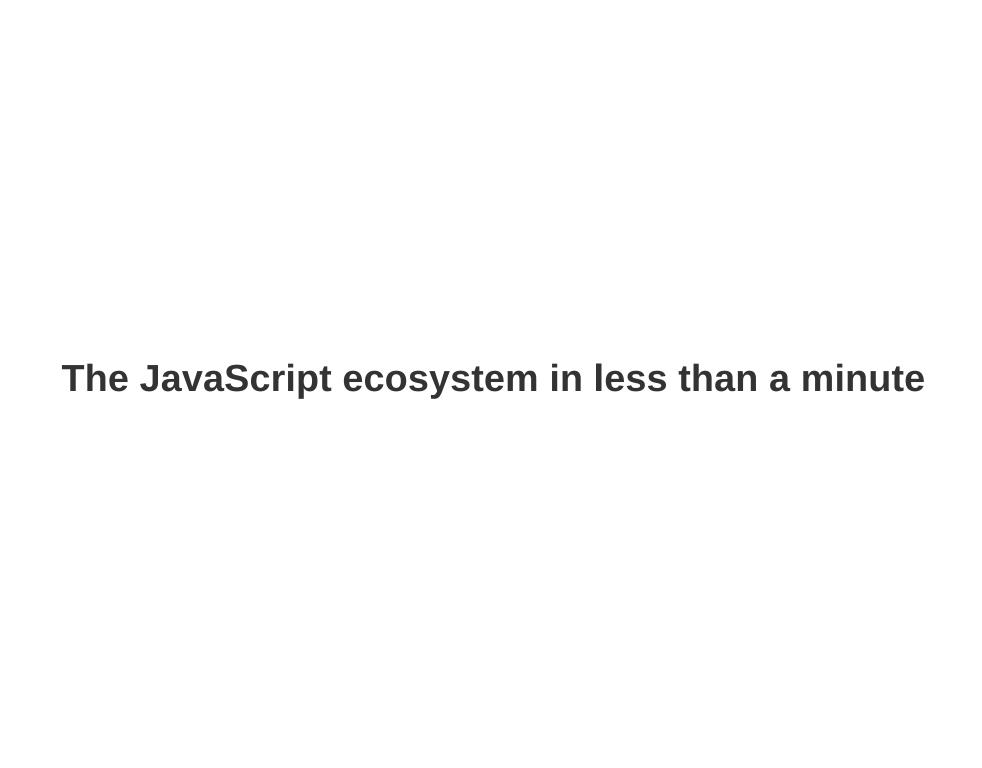# Intro to JavaScript

What is JavaScript?

- A programming language for the webpages and the internet
- Designed by Brandon Eich for the Netscape browser in 10 days
- Name influenced by Java
- Dynamic, Asynchronous, Event Driven

What is this JQuery thing?

- Used to make things less terrible when writing JS for different browsers
- Kind of a crutch
- Avoid it if you can
- (vanilla.js)

How is it as a programming language?

terrible

The JavaScript ecosystem in less than a minute

- If you run it on a server its called Node or Node.js

- Package managers: `npm` , `yarn`

Different dialoges

- ES5
  - runs everywhere always, is terrible
- ES6 aka ECMA2015 aka ES2015
  - runs most places sometimes, is less terrible
- ES7 aka ECMA2016
  - barely runs anywhere at this point

Transpiling

- Taking dialogue and turning it into another
- Babel is the most common tool for that

  Ex: ES7 -> ES6

Other languages that transpile to JavaScript

- TypeScript
- CoffeeScript
- Elm
- Scala.js
- Gopher.js
- many more

JavaScript "quirks"

blatantly stolen from Wat

also checkout WTFJS

Asynchronous

Lets code!