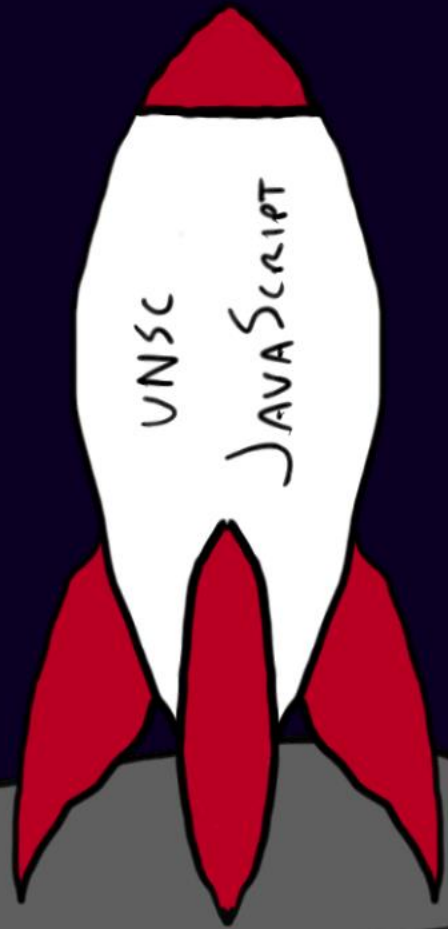




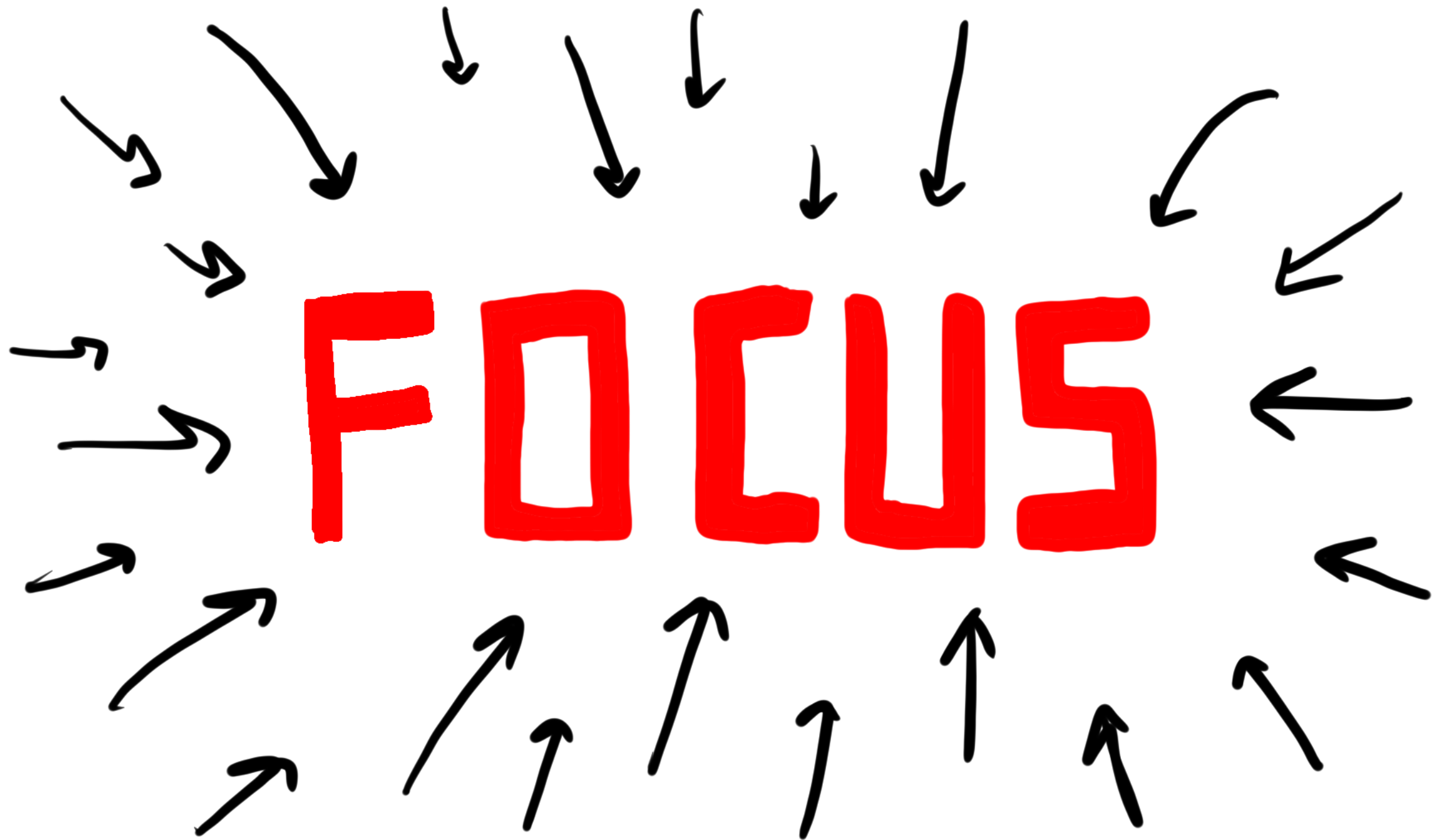
Where The Web Is Going

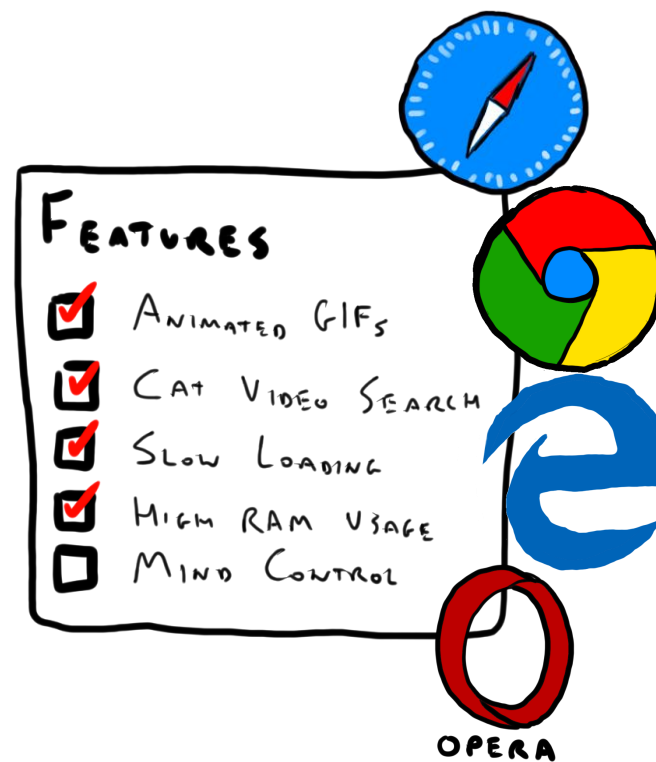
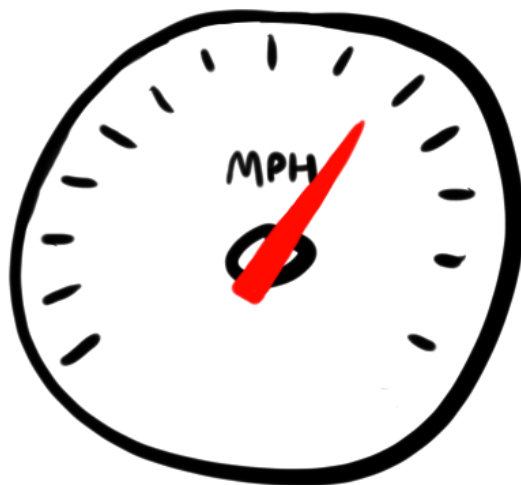
@jaredthenerd
jaredthenerd.com

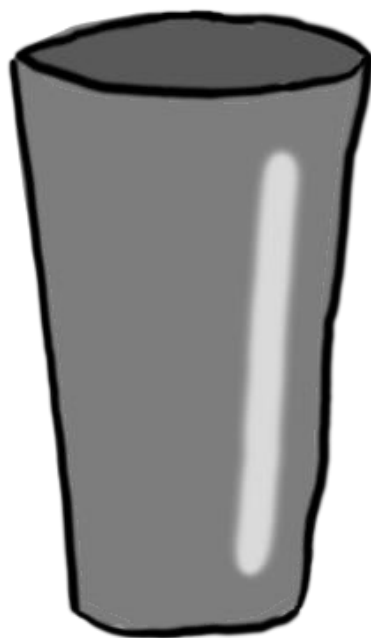
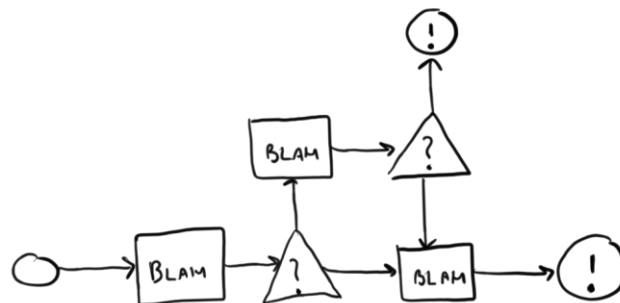
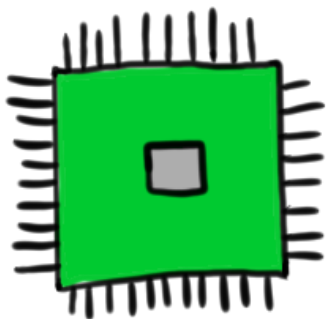
Where The Web Is Going by Jared Faris is licensed under a Creative Commons Attribution-ShareAlike 4.0 International License.

<https://creativecommons.org/licenses/by-sa/4.0/>













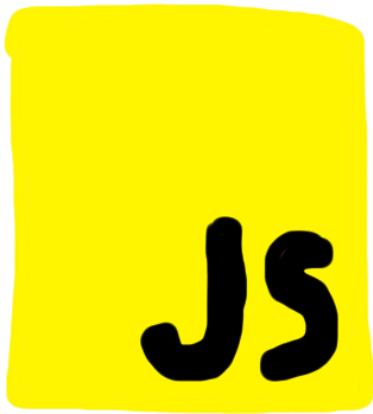
HTML



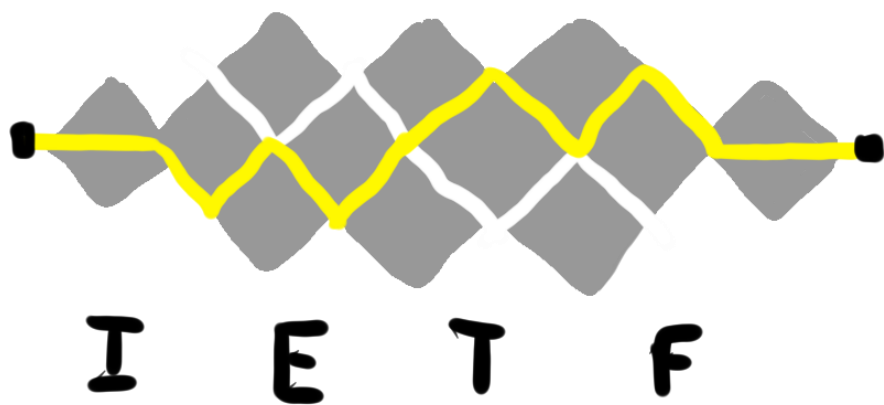
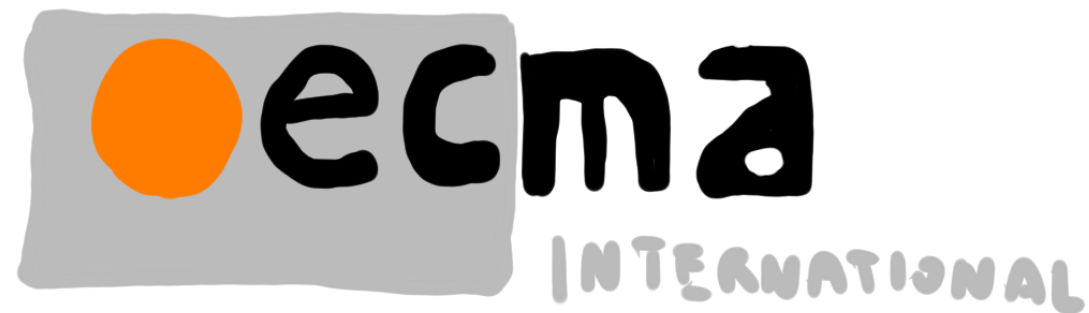
CSS



JS



W3C



BBQLOL



W3C

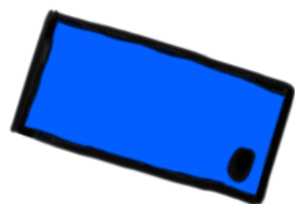
HTML



W3C

New Yorker – The Group That Rules The Web

<http://bit.ly/RulesTheWeb>

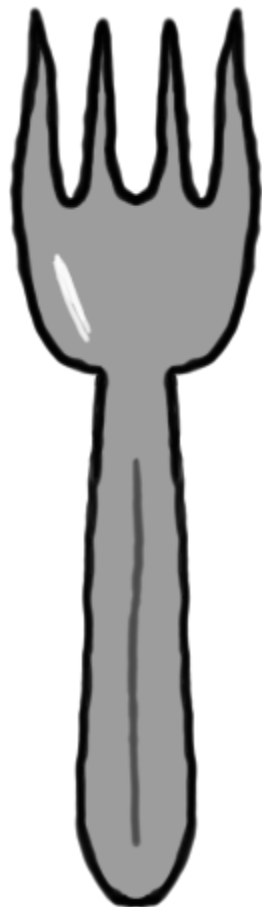


SELFIE!



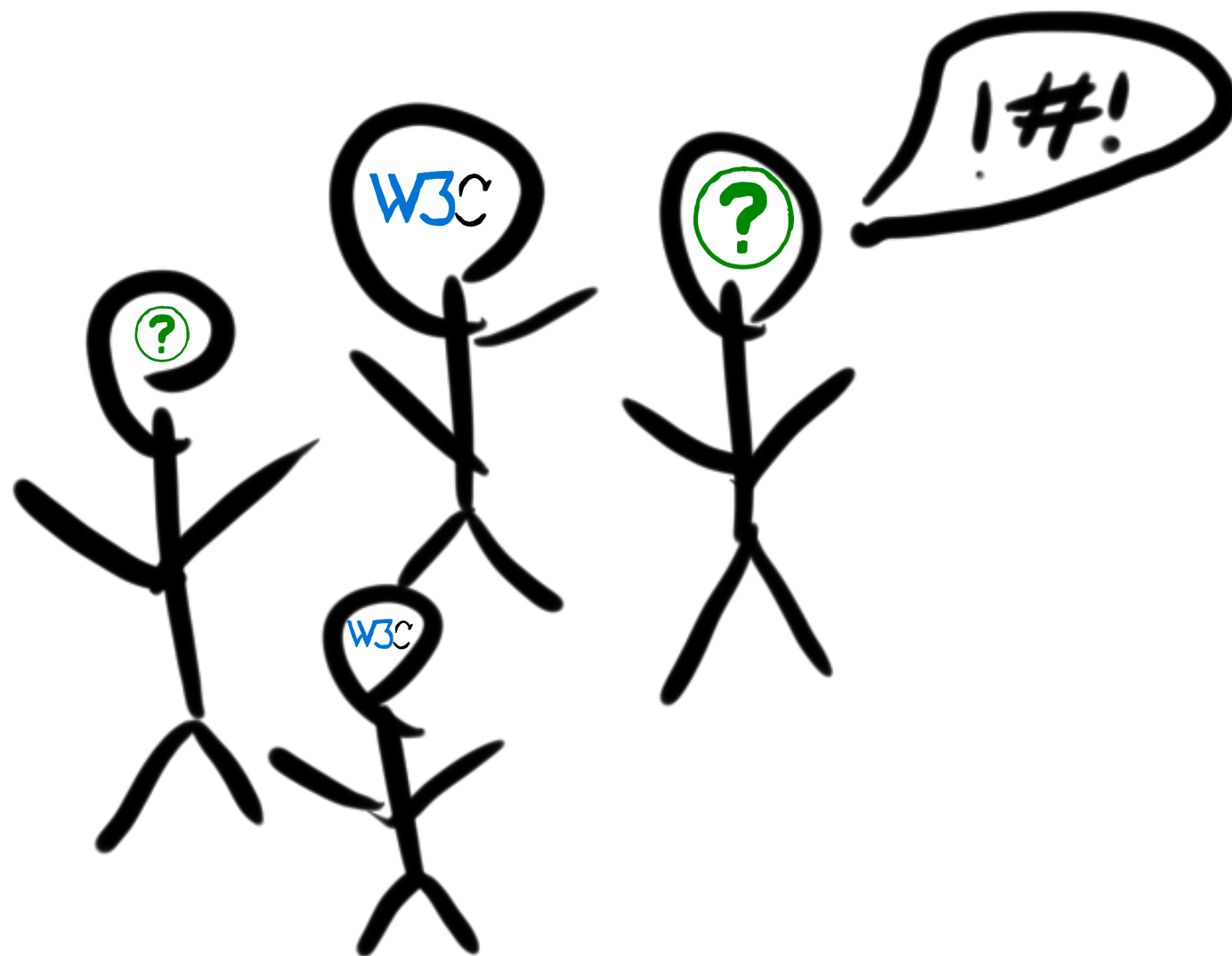
W3C

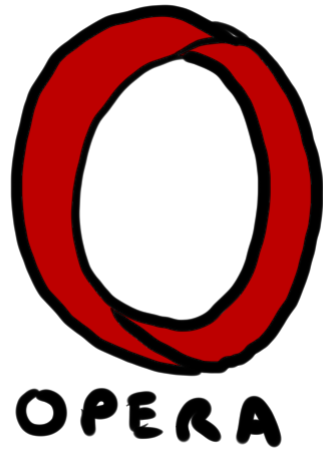
HTML



HTML

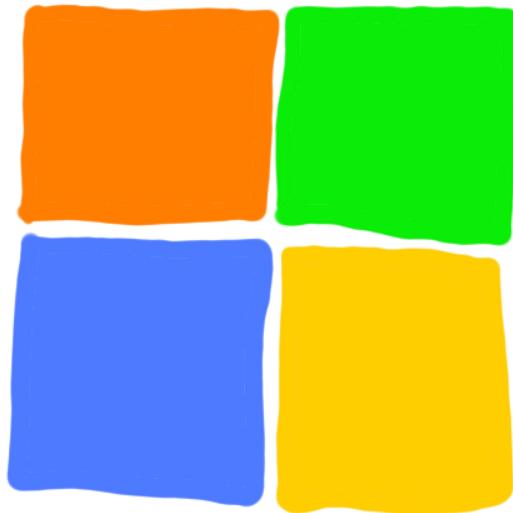






W3C

<3 OPEN STAND

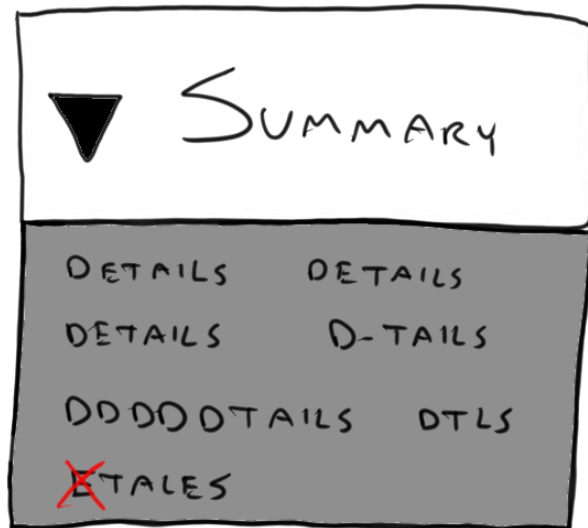




Form Validation & Forced Spellcheck

NAME

* NAME MUST NOT BE ASDF!
* NAME IS REQUIRED

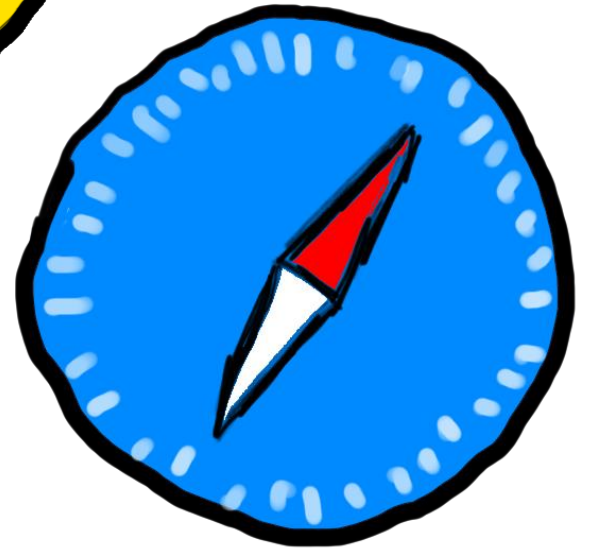
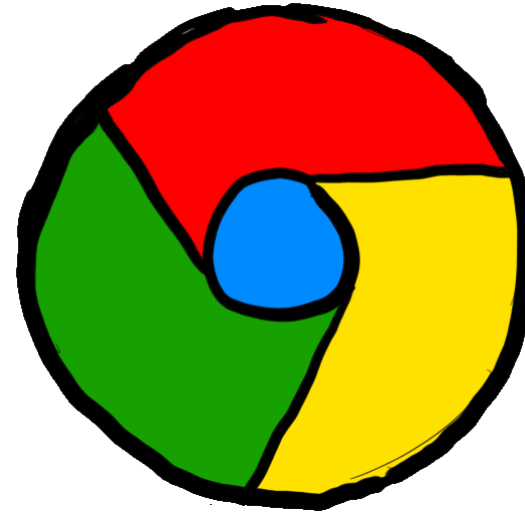


Expanding Detail
Panels



Context Menus

HTML
5.1



「(ツ)」

HTML 5.1 Implementation report



This report outlines known implementations for the features added between HTML 5.0 and HTML 5.1.

Implementation information is documented in the relevant Github issue, Pull Request (PR), or documentation for developers.

Documented changes

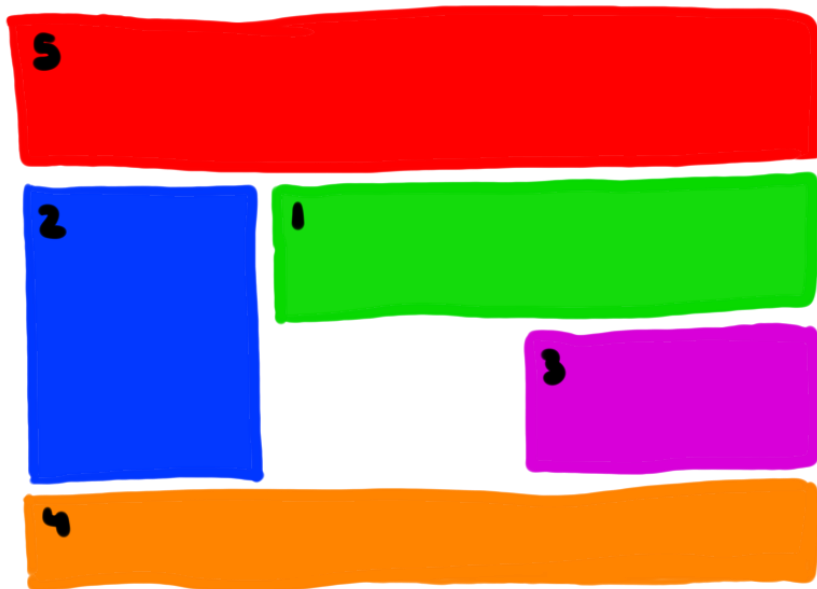
New features

	Blink	Firefox - Gecko	Edge	Internet Explorer	Safari - Webkit	Notes
HTMLInputElement.reportValidity()	Chrome, Opera	Y	N	N	N	
HTMLMediaElement.fastseek()	N	Y	N	N	Y	
HTMLFormElement.forceSpellcheck()	All					
<input type="week">	Yandex, Chrome	N	Y	N	N	
<input type="month">	Chrome, Yandex	N	Y	N	N	
<input type="datetime-local">	Yandex, Chrome	N	Y	N	N	
ImageBitmap interface	Chrome,	Y	N	N	N	

<http://bit.ly/HTML5Implementation>

More W3C ? Stuff

CSS Grid



```
<div class="grid-container">
  <div class="item-1">1</div>
  <div class="item-2">2</div>
  <div class="item-3">3</div>
  <div class="item-4">4</div>
  <div class="item-5">5</div>
</div>
```

```
#demo-two.example-2 .grid-container {
  display: grid;
  grid-template: repeat(4,1fr)/repeat(3,1fr);
  grid-gap: 20px;
  grid-template-areas:
    'header header header'
    'sidebar content content'
    'sidebar . content2'
    'footer footer footer';
}

#demo-two.example-2 .item-1 {
  grid-area: content;
}

#demo-two.example-2 .item-5 {
  grid-area: header;
}
```



CSS Variables

```
:root {  
  --my-color: ■ red;  
}  
  
#someDiv {  
  color: var(--my-color);  
}
```

W3C

Fetch

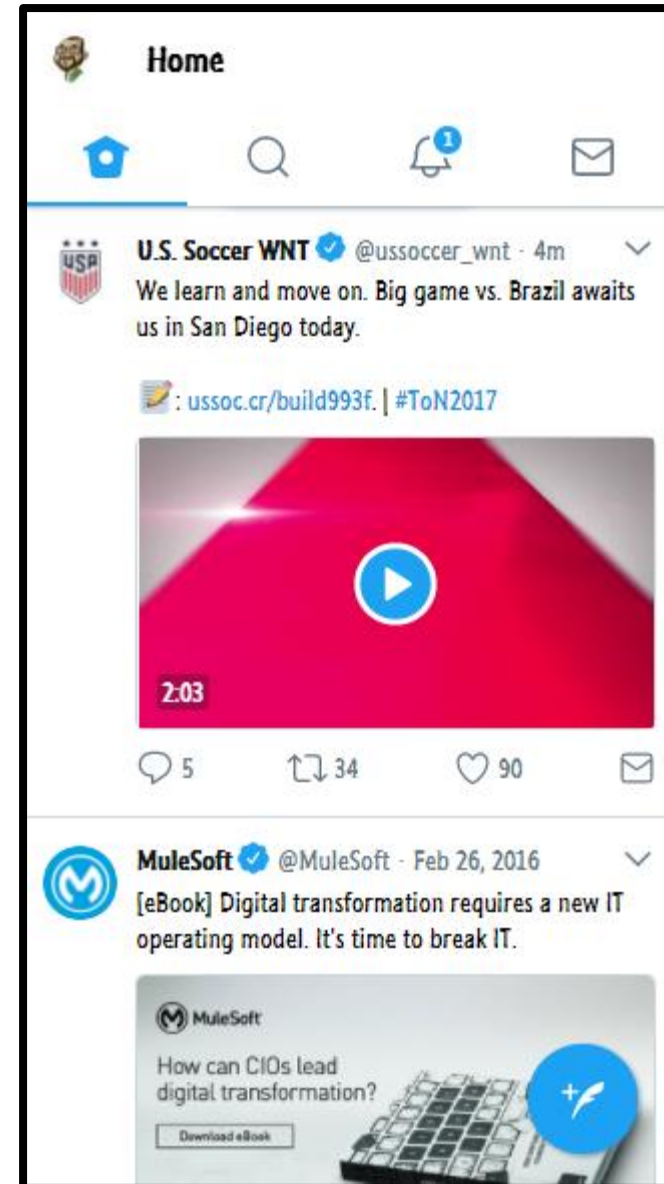
```
function SendButtonPush () {  
    // NOTE - Look at the network traffic.  
  
    debugger;  
  
    fetch("/ButtonPushJSON", {  
        method: "POST",  
        body: JSON.stringify({ // Example of how you can send data  
            secretCode: "12345",  
            count: 1  
        }),  
        headers: {  
            'Accept': 'application/json', // Telling the server this is JSON  
            'Content-Type': 'application/json'  
        }  
    }).then(function(response) {  
        return response; // I could use the response for something, but I don't here  
    });  
  
    // We don't need error handling. Let's live dangerously.  
}
```

W3C

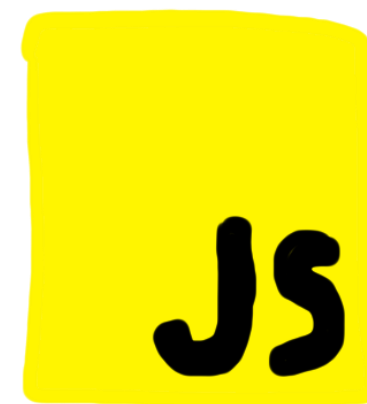
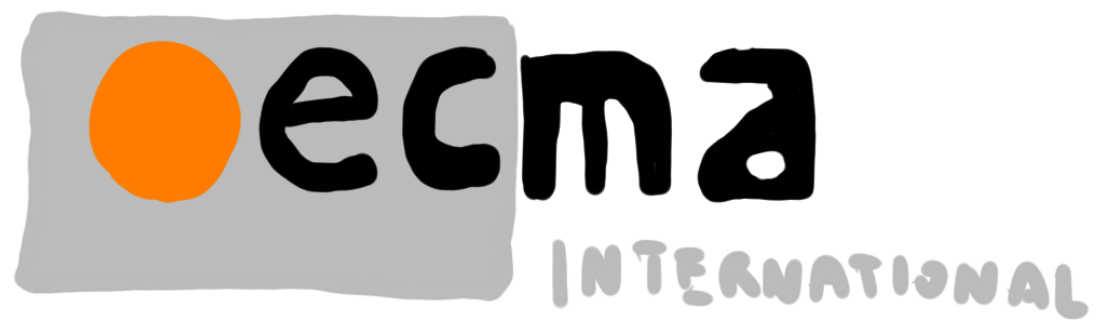
「(ツ)」

Service Workers

Google

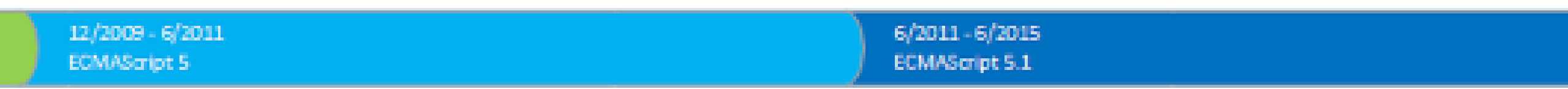


Not Google









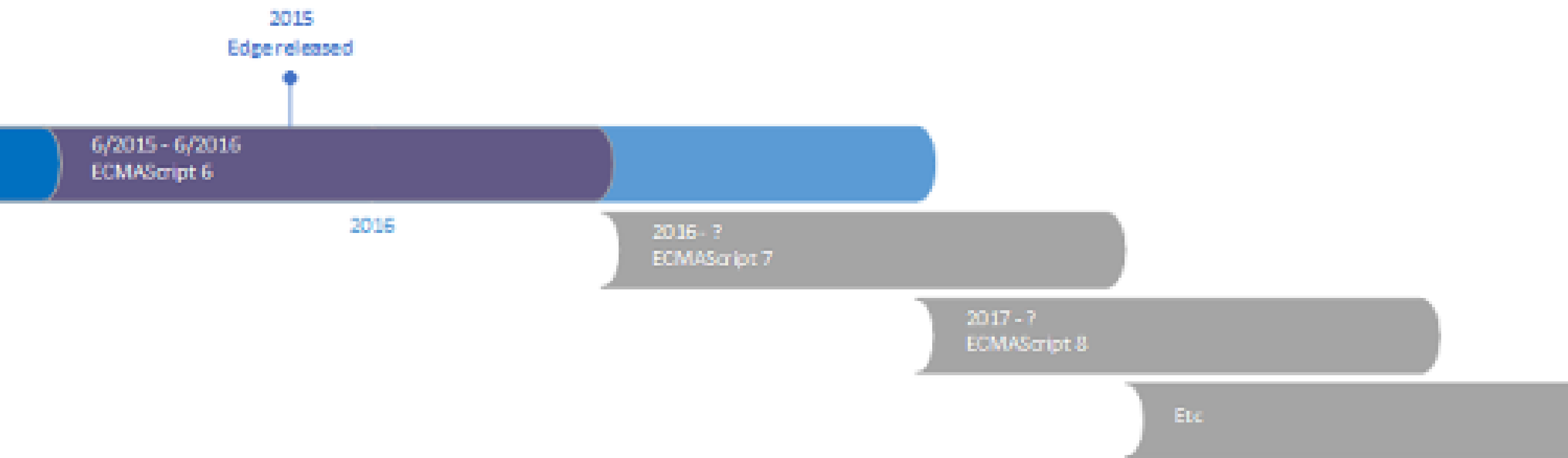
12/2009 - 6/2011
ECMAScript 5

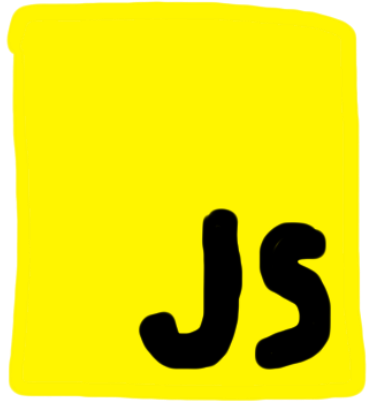
6/2011 - 6/2015
ECMAScript 5.1

2010

2011

2012

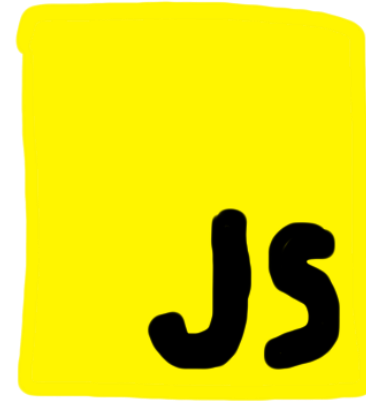




ES 2016

Array.includes

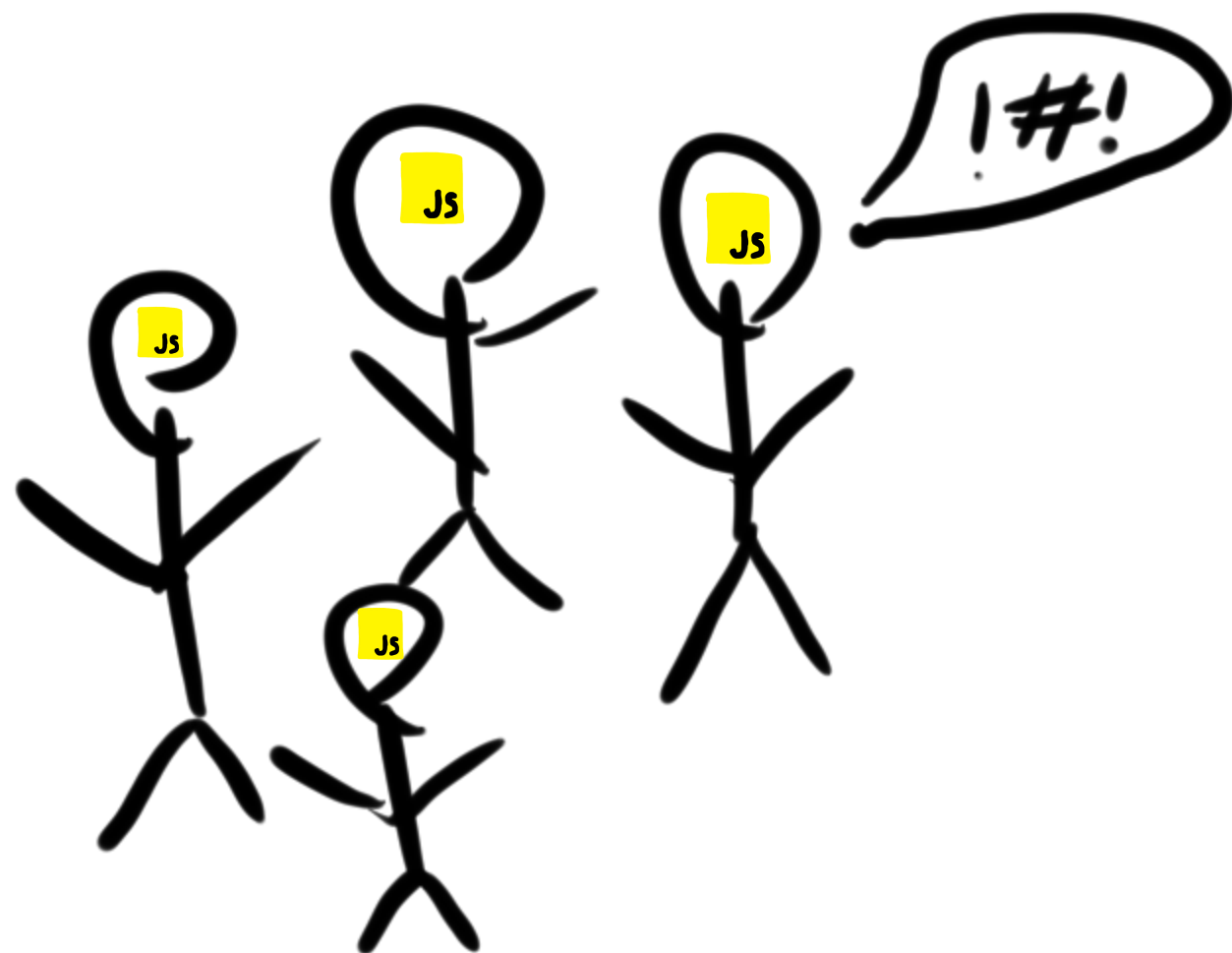
**** operator**

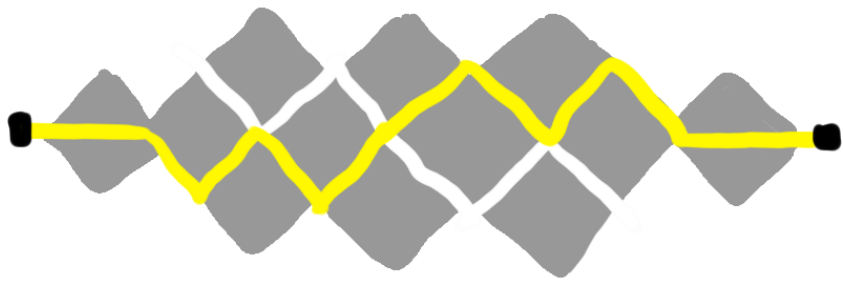


ES 2017

Async

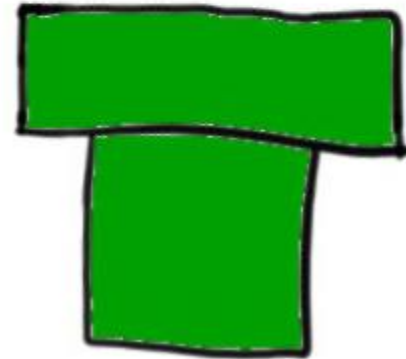
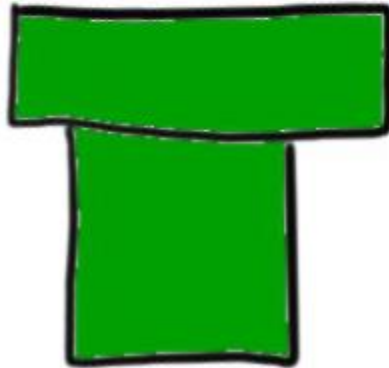
Lots of little stuff
(not official feature name)

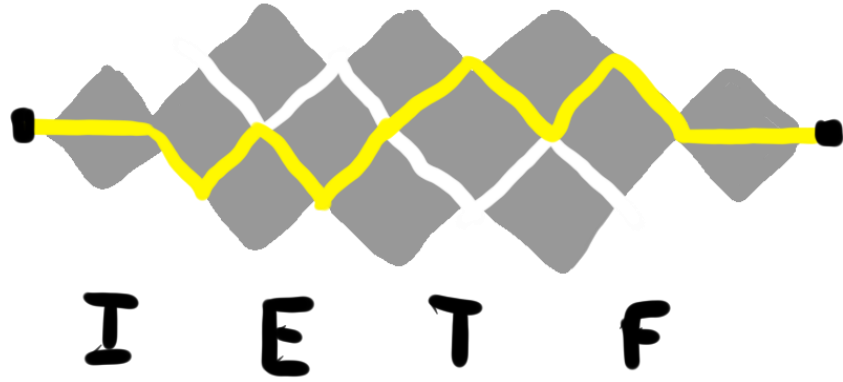




I E T F

Welcome to the Internet!







Binary Framing Layer





Web Components

- HTML Templates
- Shadow DOM
- Custom Elements
- HTML Imports



Browser support

	 CHROME	 OPERA	 SAFARI	 FIREFOX	 EDGE
 TEMPLATES	✓ STABLE	✓ STABLE	✓ STABLE	✓ STABLE	✓ STABLE
 CUSTOM ELEMENTS	✓ STABLE	✓ STABLE	✓ STABLE	✓ POLYFILL ● DEVELOPING	✓ POLYFILL ● CONSIDERING
 SHADOW DOM	✓ STABLE	✓ STABLE	✓ STABLE	✓ POLYFILL ● DEVELOPING	✓ POLYFILL ● CONSIDERING
 IMPORTS	✓ STABLE	✓ STABLE	✓ POLYFILL ● ON HOLD	✓ POLYFILL ● ON HOLD	✓ POLYFILL ● CONSIDERING

<https://www.webcomponents.org/>

W3C

Web Payments

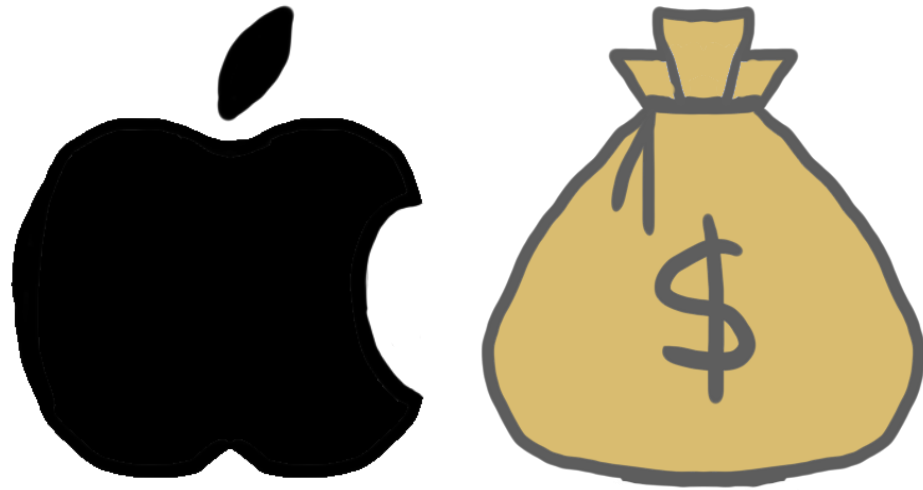


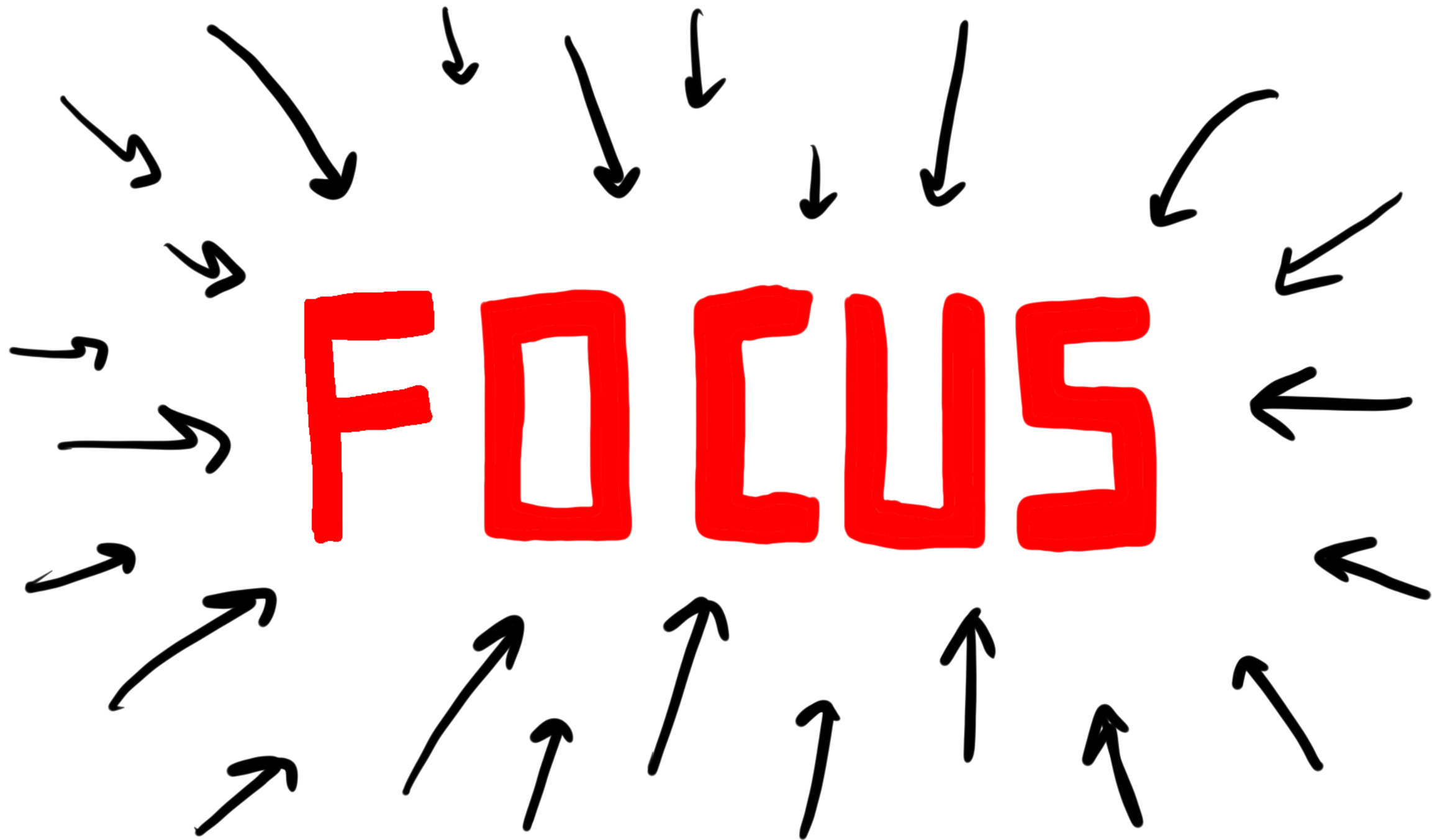
W3C



<http://bit.ly/WebPaymentDemo>

Apple Pay?







Thank You!

@jaredthenerd
jaredthenerd.com