

**candour**

# HTML, CSS and Javascript primer



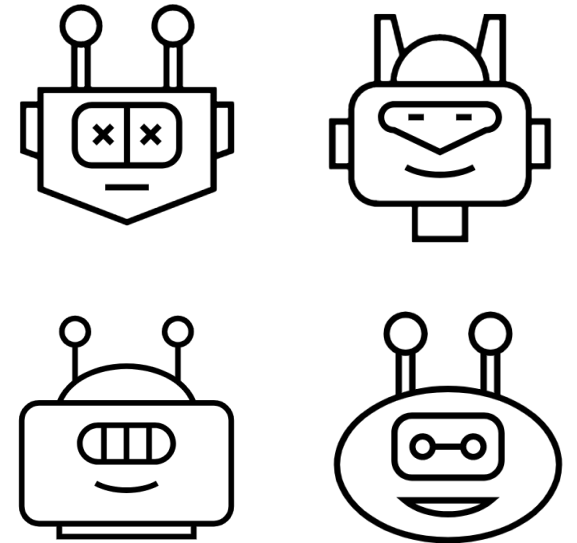
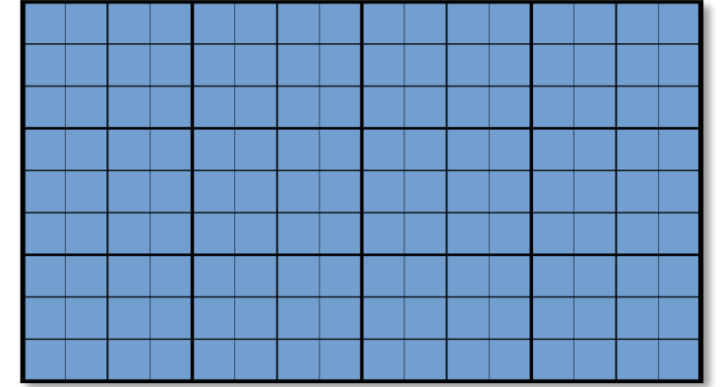
**Trainer:**

Mark Williams-Cook  
Candour



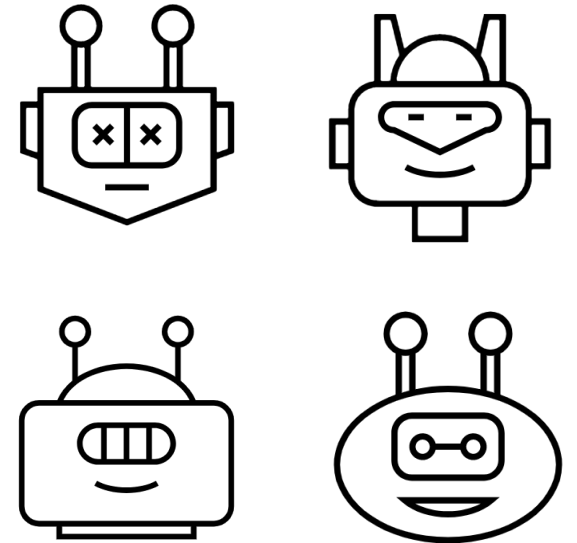
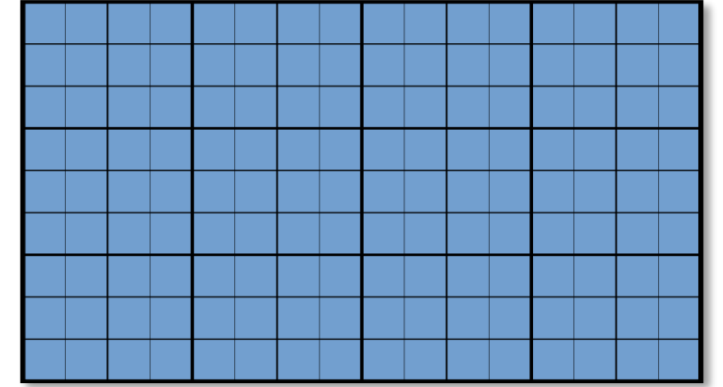
# Modern web design

- HTML
- CSS
- Javascript



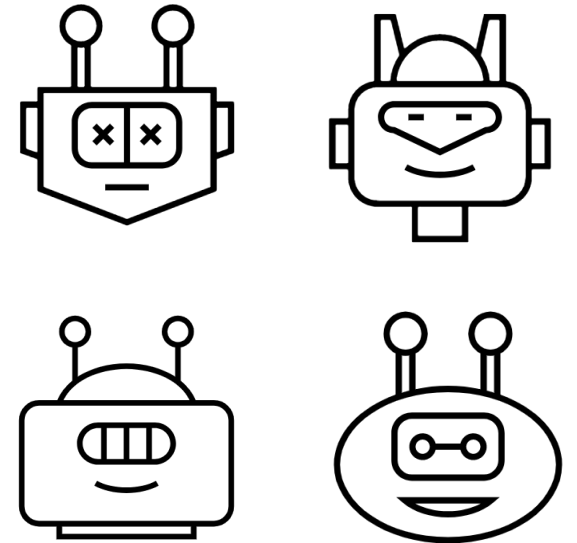
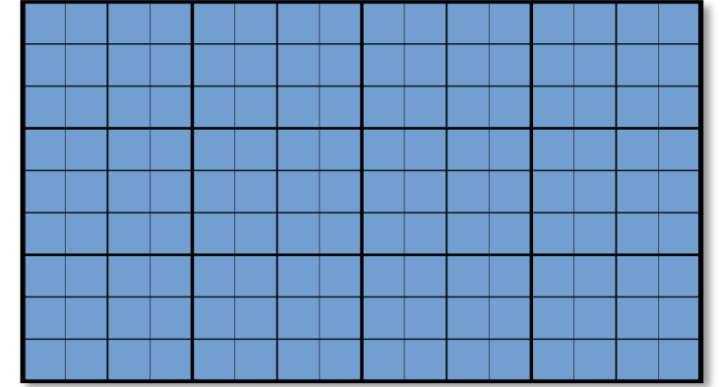
# Modern web design

- **HTML** - Structure
- **CSS** - Presentation
- **Javascript** - Behaviour



# HTML

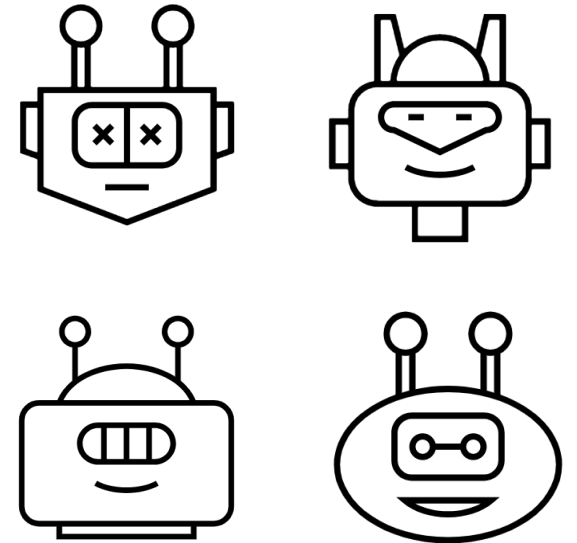
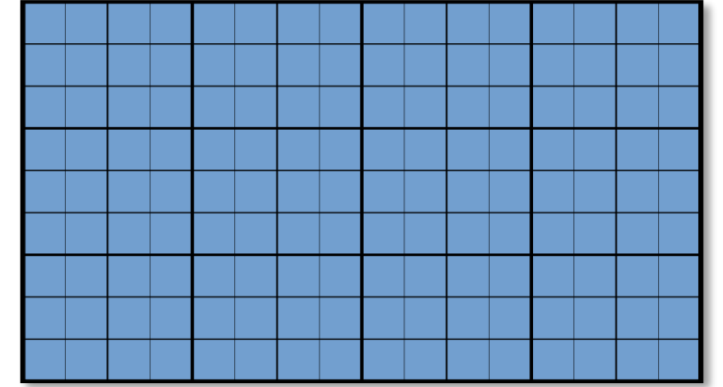
HyperText Markup Language



# HTML

## HyperText Markup Language

“...is the basic building blocks of any web page. HTML can include writing, links, pictures, sound and video. HTML is used to mark and describe each of these kinds of content so the web browser can display them correctly.”



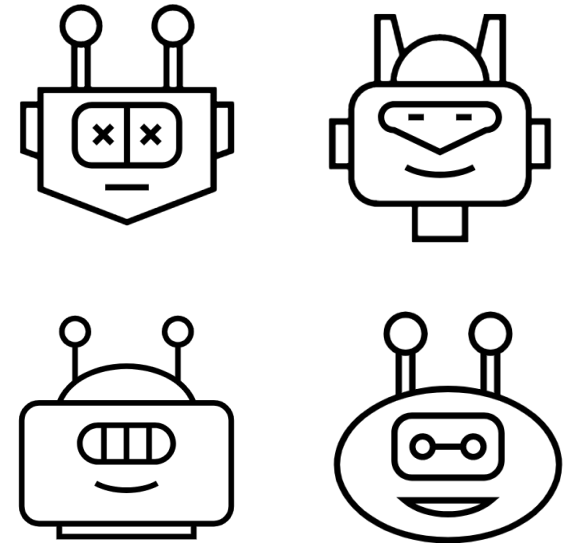
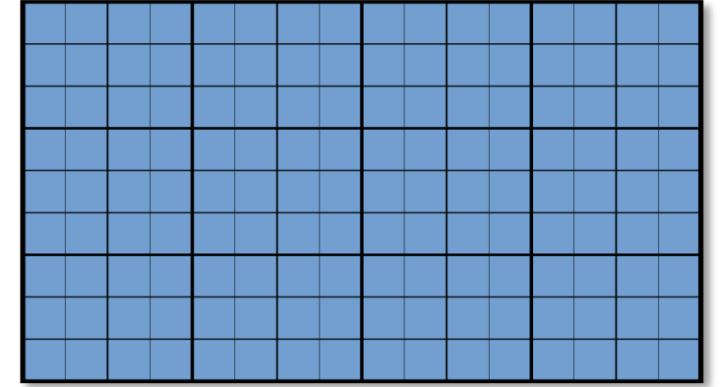
# HTML

HyperText Markup Language

`<title>This is a page title</title>`

`<h1>This is a header</h1>`

`<p>This is a paragraph of text</p>`



# HTML

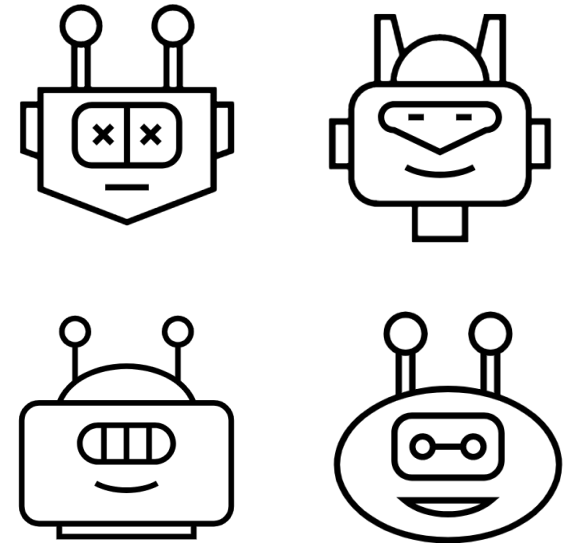
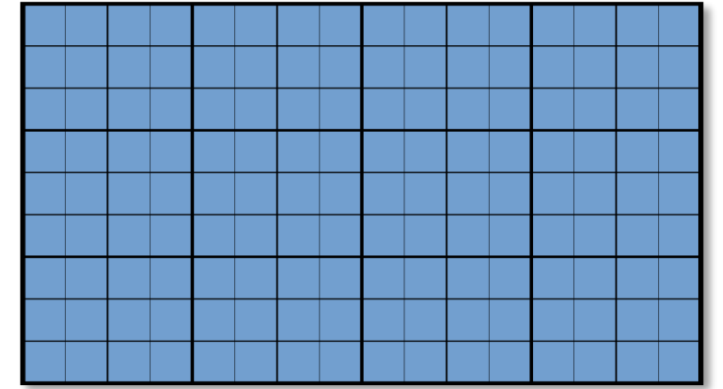
HyperText Markup Language

`<title>This is a page title</title>`

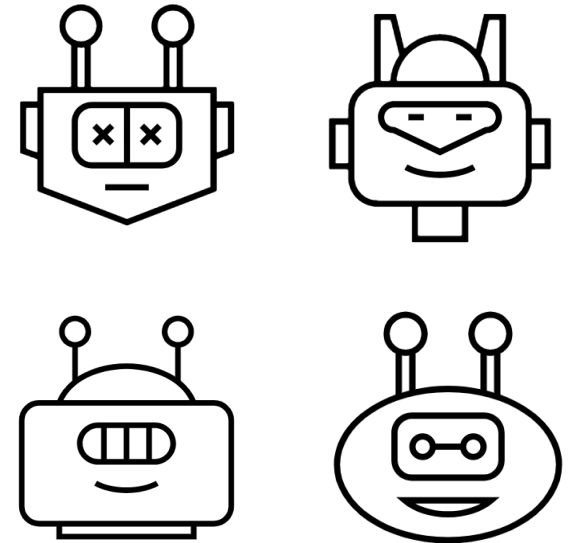
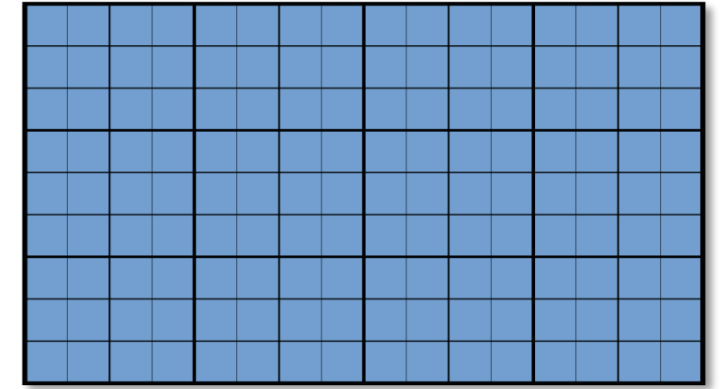
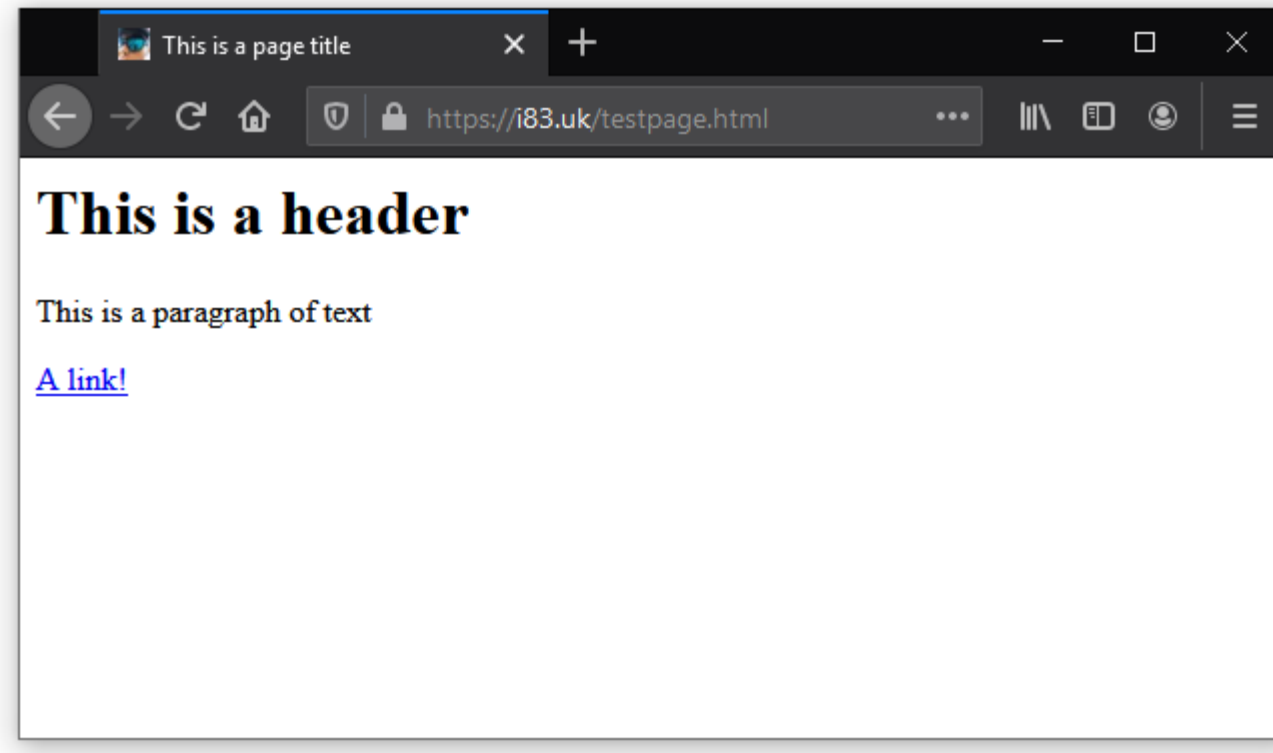
`<h1>This is a header</h1>`

`<p>This is a paragraph of text</p>`

`<a href=https://withcandour.co.uk>A link!</a>`



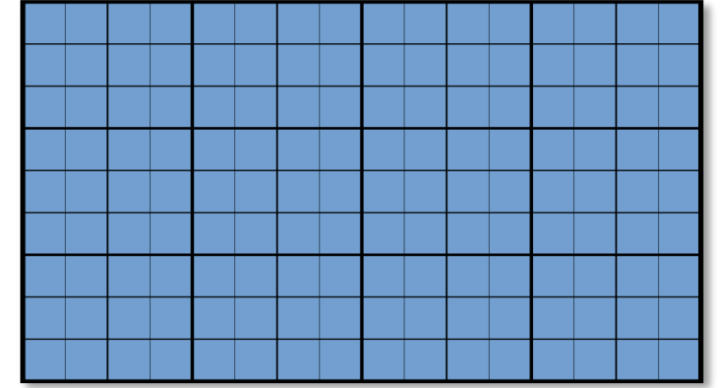
# HTML





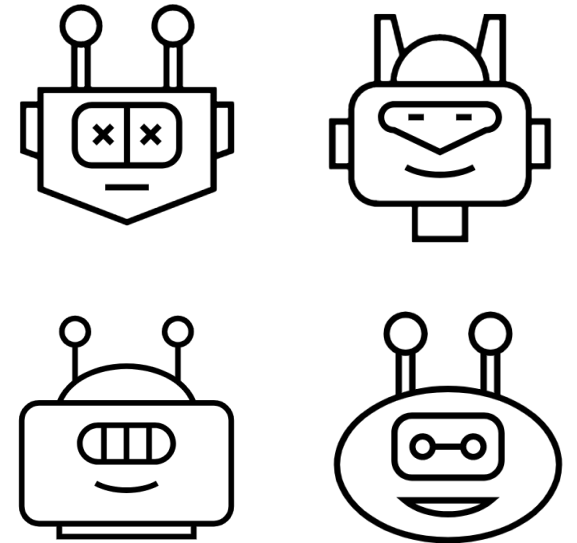
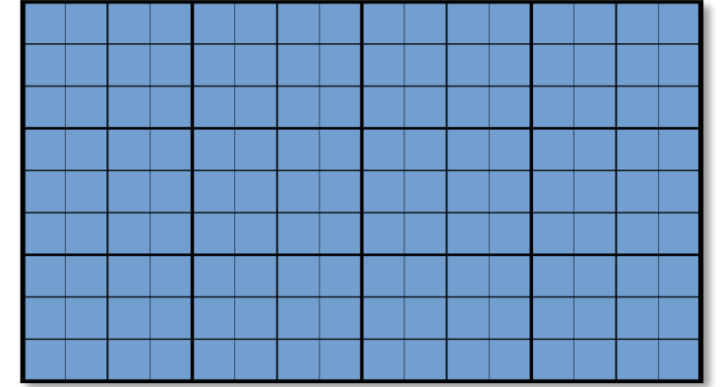
# Key concept

HTML is the building block of all websites, it is the most basic web experience and the first thing that Google will look at when visiting a site.



# CSS

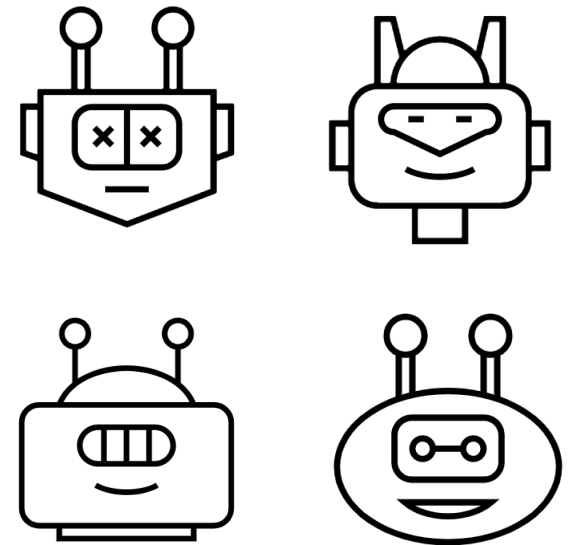
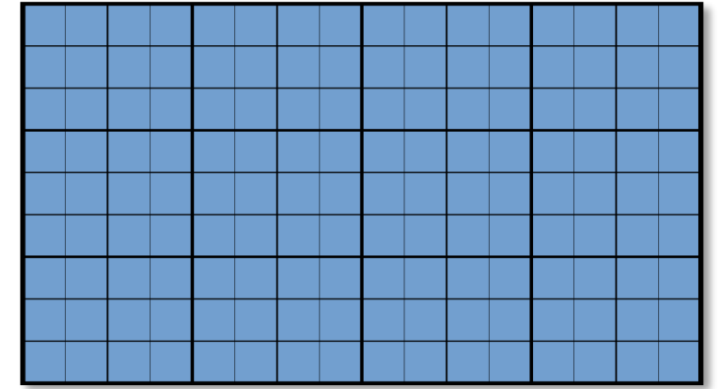
## Cascading Style Sheets



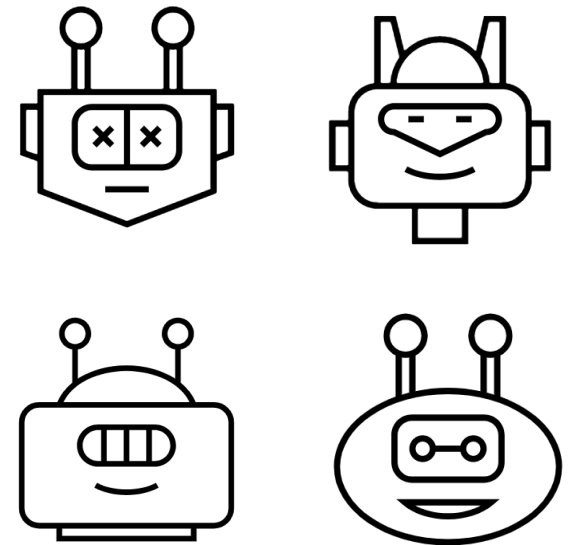
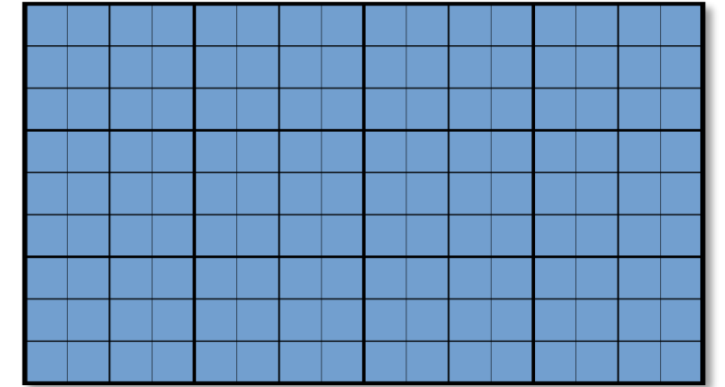
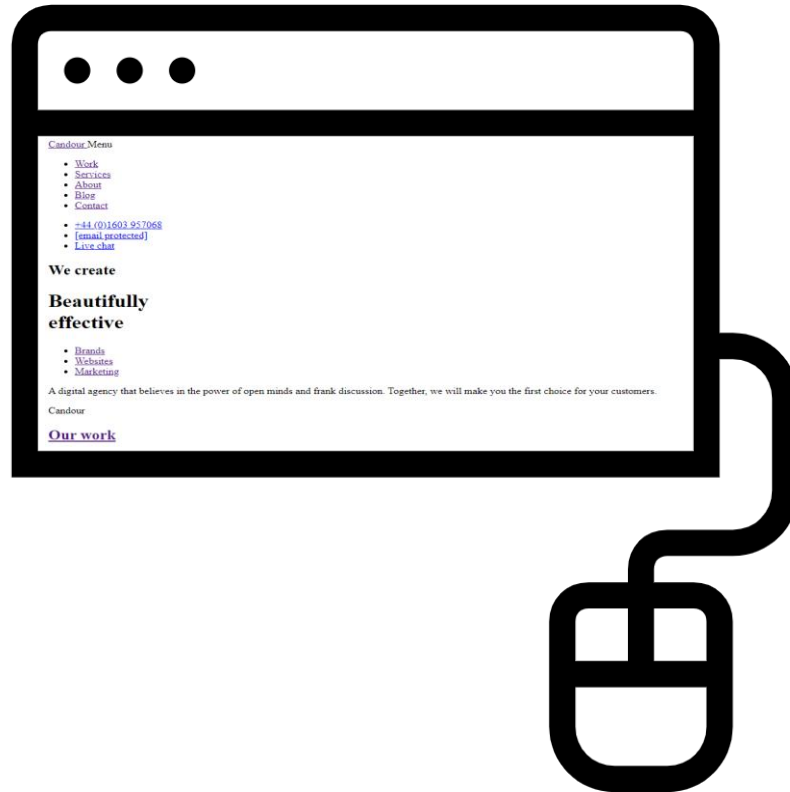
# CSS

## Cascading Style Sheets

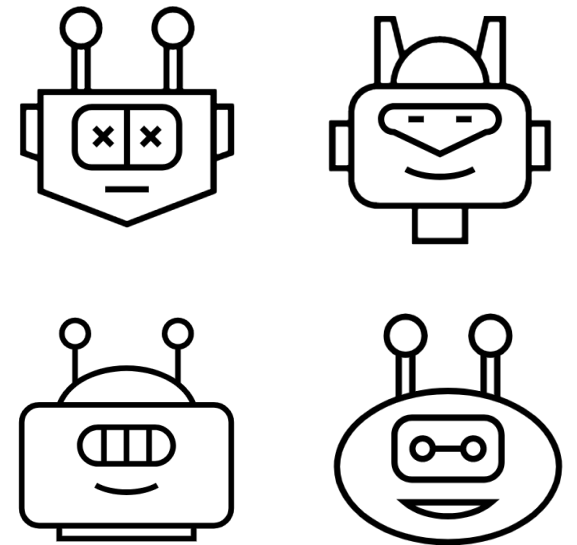
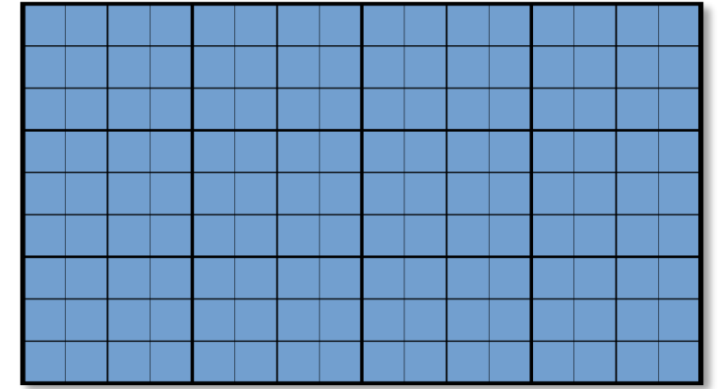
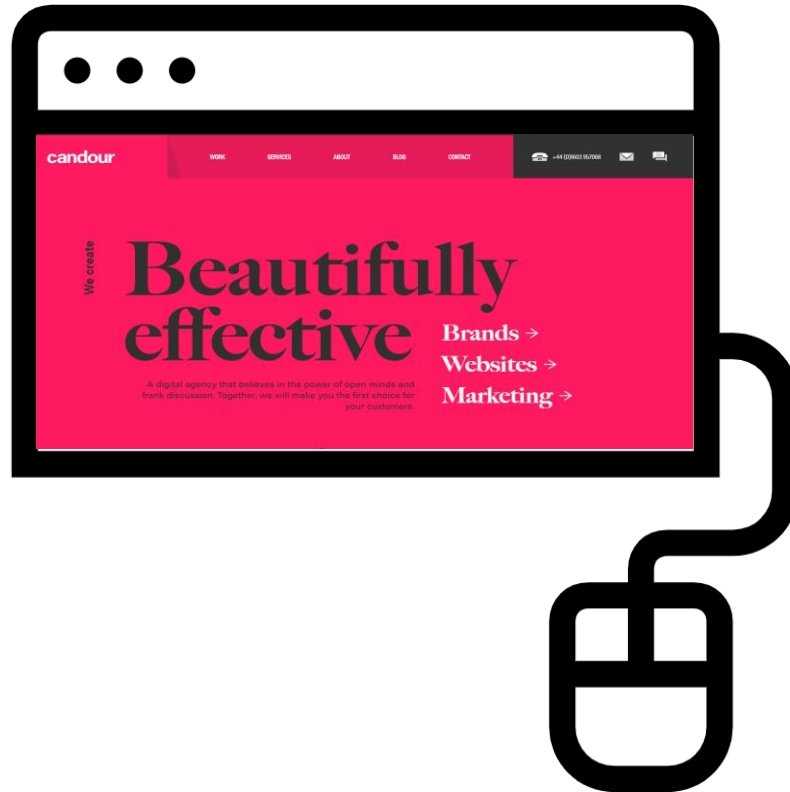
“...describe how HTML elements are displayed”



# HTML

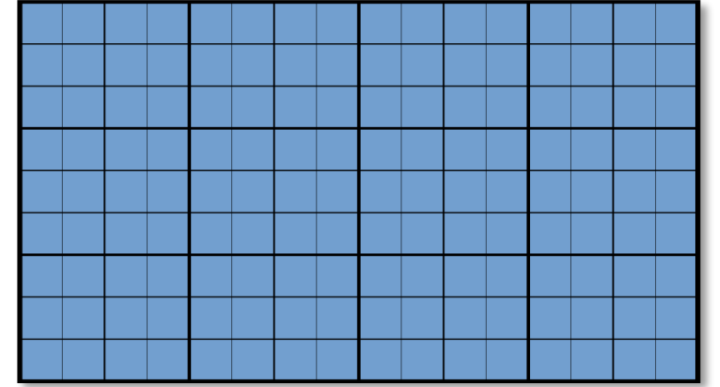


# HTML + CSS

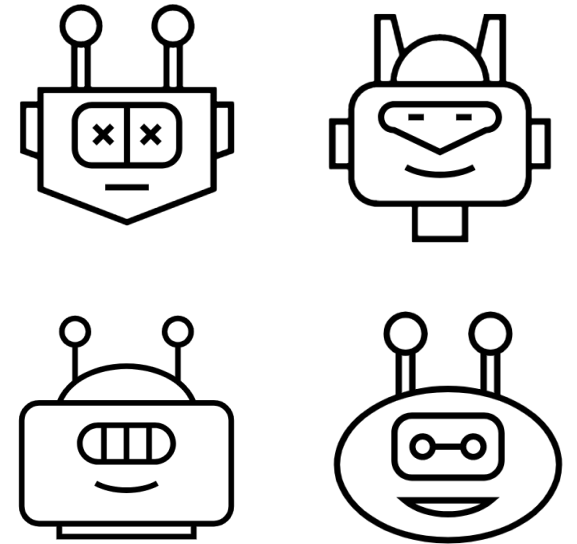
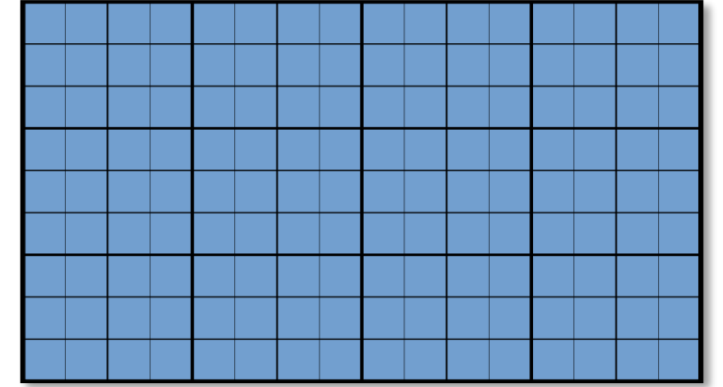


# Key concept

CSS controls how a web page is styled. Google does process the CSS of a website to get a better understanding of the experience you are providing a user.

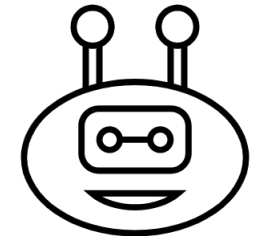
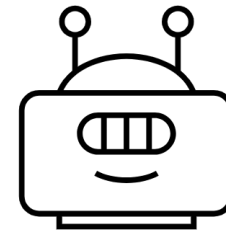
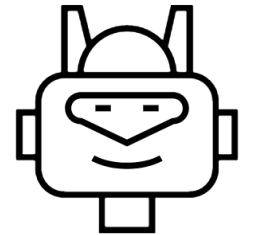
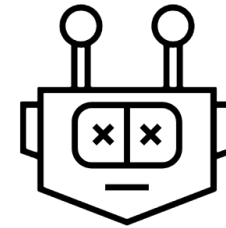
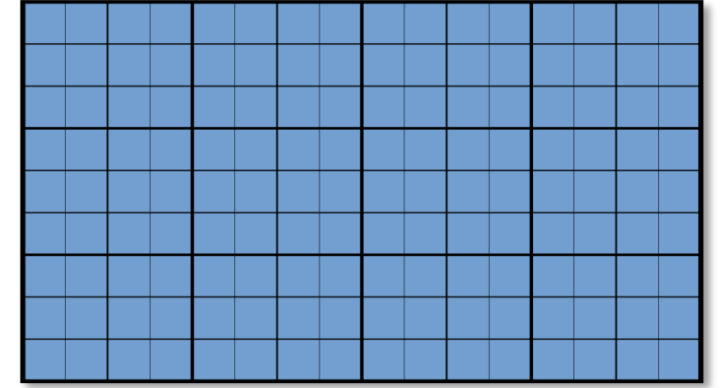


# Javascript



# Javascript

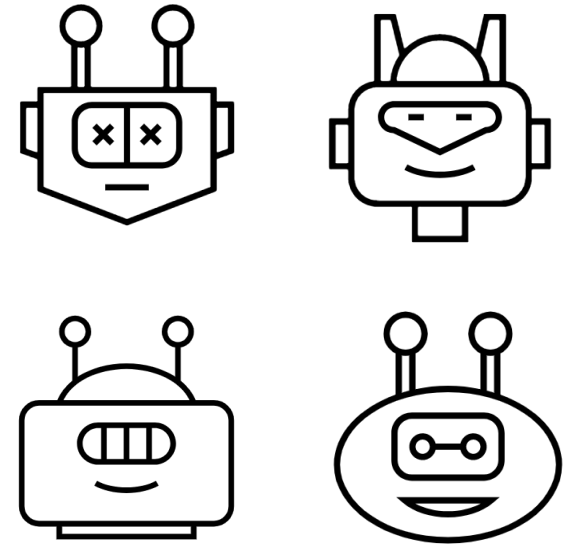
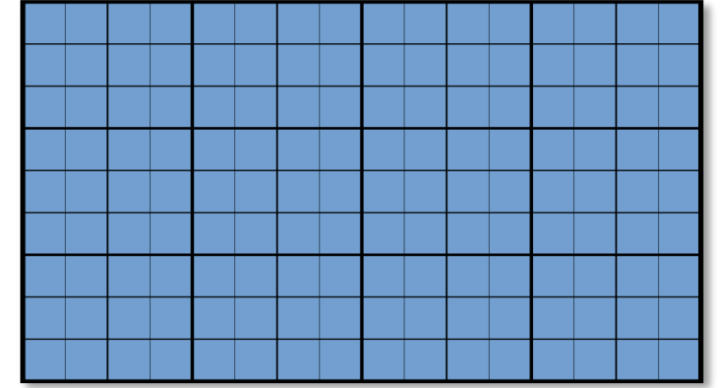
“...is a scripting language that is understood by web browsers and has a wide range of uses. It can be used for anything from data validation and animation all the way to writing complete games in the browser”





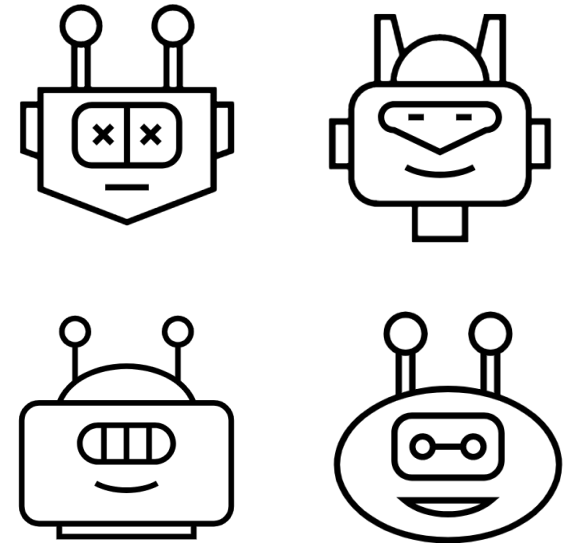
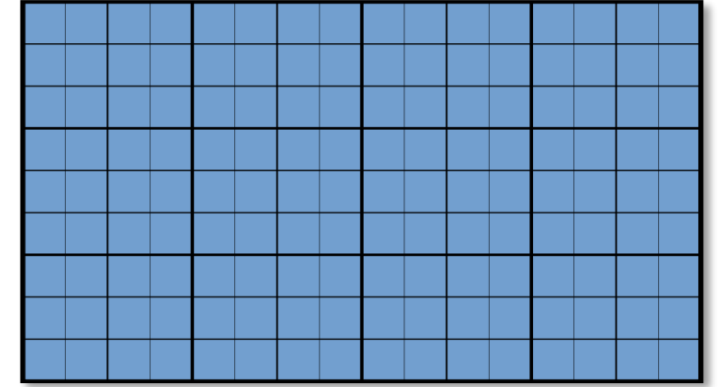
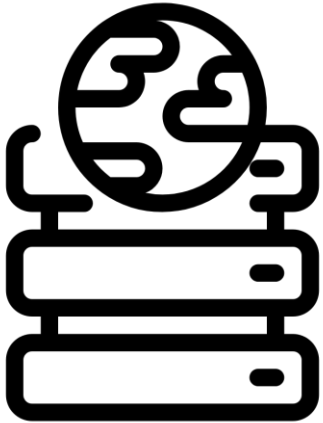
# Javascript

- Is usually executed “client side” in the browser



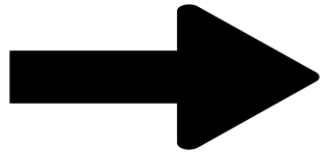
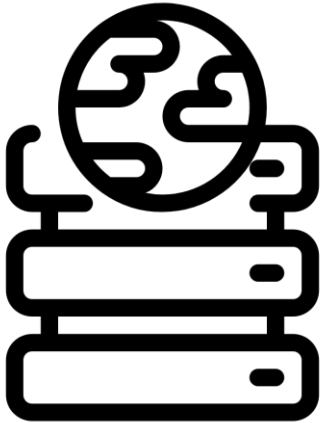
# Client side and server side

Web server

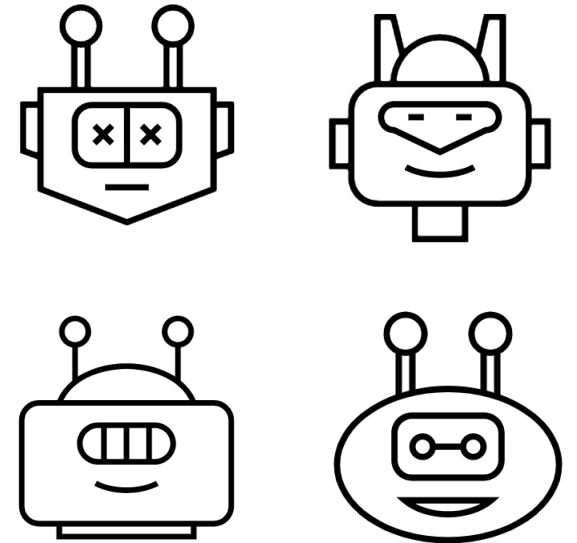
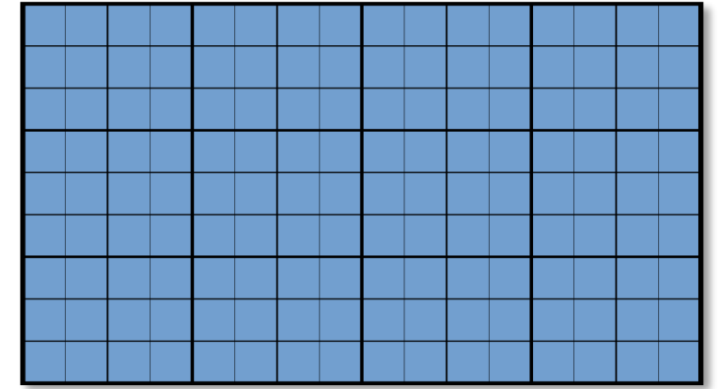
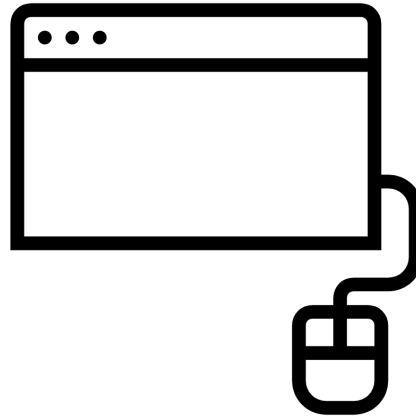


# Client side and server side

Web server

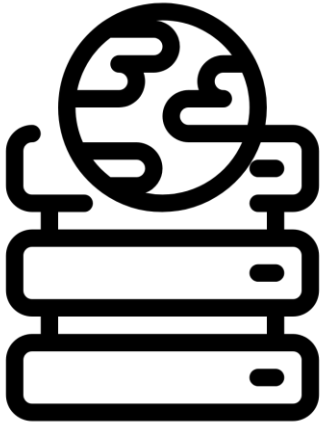


Your browser

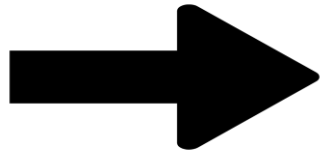


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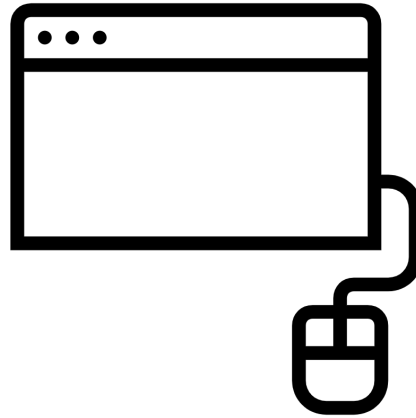
Web server



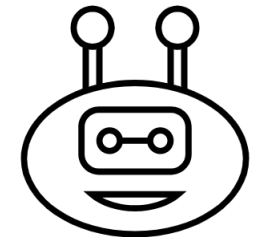
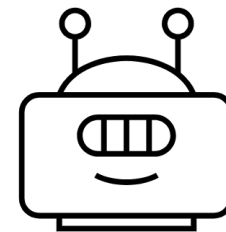
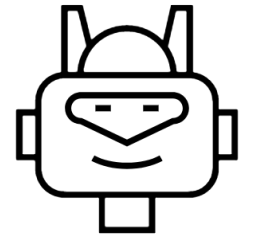
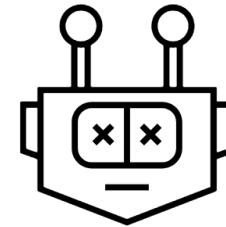
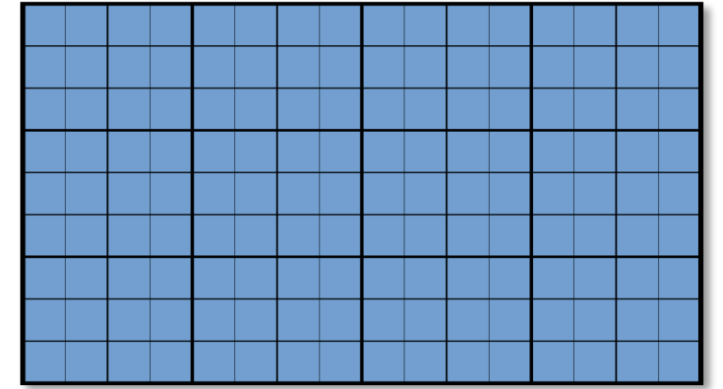
‘Server side’



Your browser

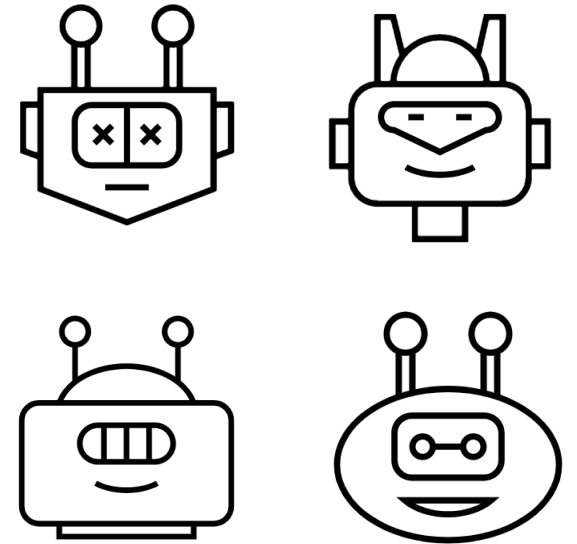
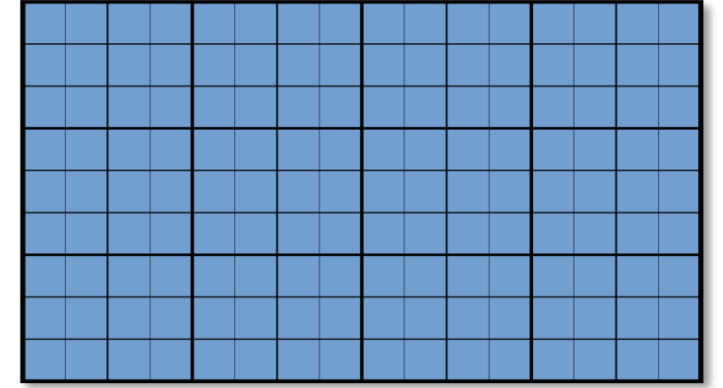


‘Client side’



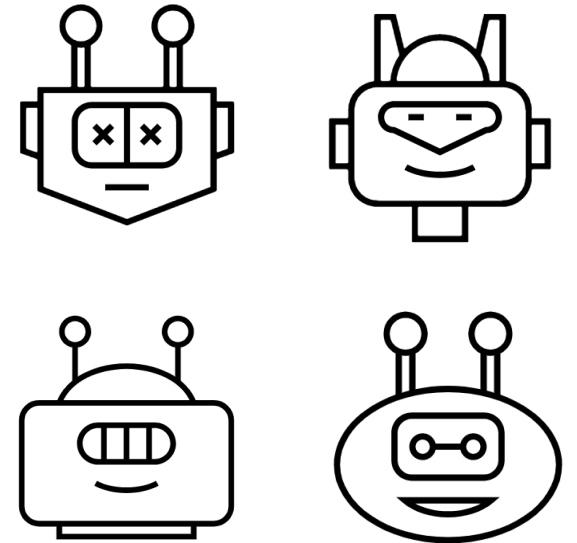
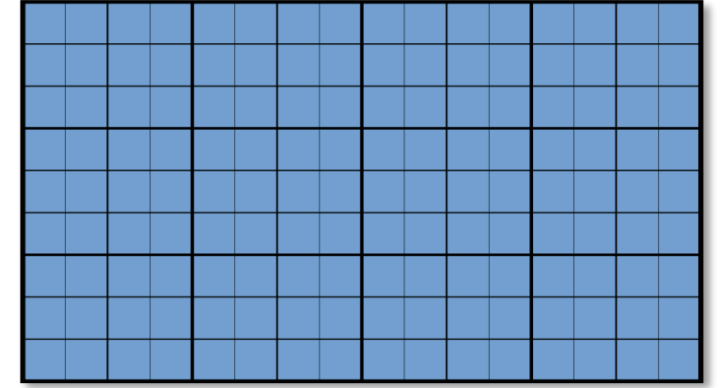
# Javascript

- Is usually executed “client side” in the browser
- Used for many common things, such as Google Analytics

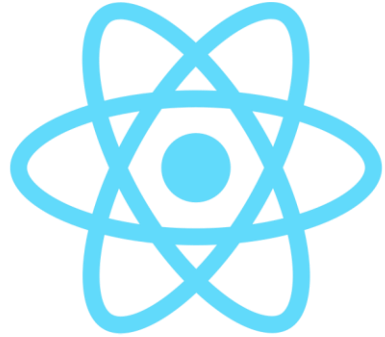


# Javascript

- Is usually executed “client side” in the browser
- Used for many common things, such as Google Analytics
- Whole websites are built on “Javascript frameworks”



# Javascript frameworks



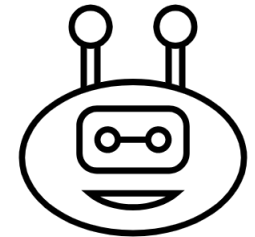
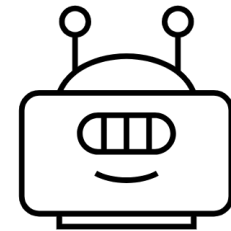
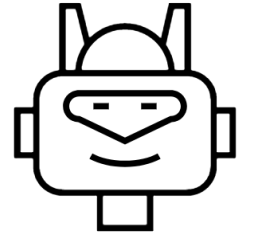
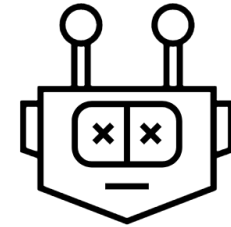
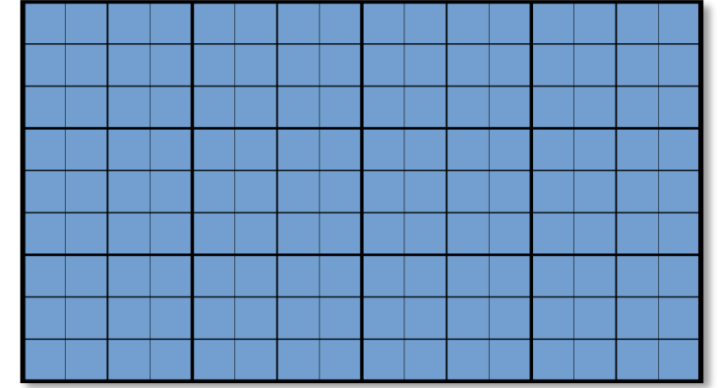
React



Vue

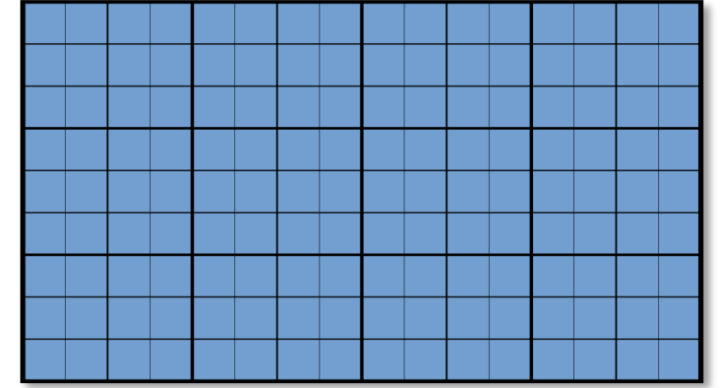


Angular



# Key concept

Javascript powers many modern web experiences, although we cannot rely on Google to process Javascript as it is resource intensive.





# Further resources

## HTML Fundamentals:

<https://www.sololearn.com/Course/HTML/>

## CSS Fundamentals:

<https://www.sololearn.com/Course/CSS/>

## Javascript Tutorial:

<https://www.sololearn.com/Course/JavaScript/>

