


WebDev#2

Flexible programmers

A third-person view of a man with dark skin and short dark hair, wearing a white tank top, running away from the camera down a narrow, paved alleyway. The alleyway is flanked by high, light-colored concrete walls. In the background, there are palm trees and a clear sky. The lighting suggests it's daytime.

Ah shit, here we go again.

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ATTENDANCE

bit.ly/2KCX1X3

FEEDBACK

<http://bit.ly/2LZTP0V>

Course structure

1. WebDev Basics - Build a Landing Page

a. **Backend Frontend**

b. HTML, CSS, JS

c. Bootstrap

2. Advanced Styling & JS - Build a Social Network For Programmers

a. **CSS grid, CSS flex, CSS media**, Tailwind

b. Call an external API

c. jQuery, AJAX

3. Backend - Build a ToDo Application

a. Flask

b. **HTTP calls, REST**

c. **Auth & cookies** / Persistence & security (basics)

4. Frontend - Build an online shop

a. BaaS Firebase

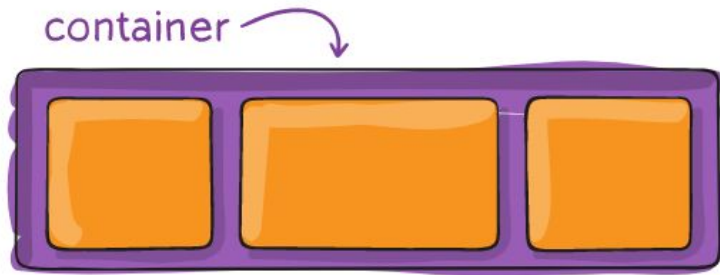
b. **Component programming & SPA** - React

RECAP

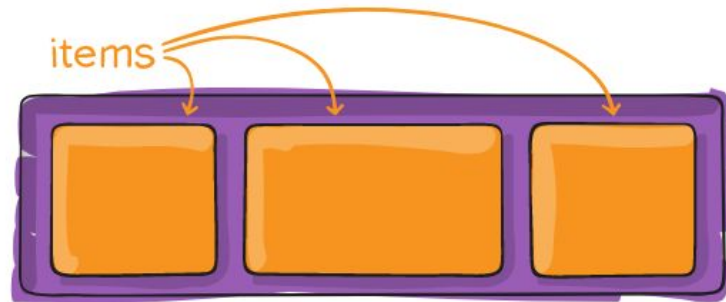
1. “Holy Trinity” – What is the relationship between JS, HTML and CSS; Recall the DPIT building analogy
2. What is the backend, what is the frontend?
3. What is REST?
4. What is the difference between CSS class and CSS id?
5. How would you make a text element disappear when you mouse over it? Hint: triggers

FLEXBOX

Organise stuff by having the page
into containers



Properties for the Parent
(flex container)



Properties for the Children
(flex items)

display: block;



display: block;

1

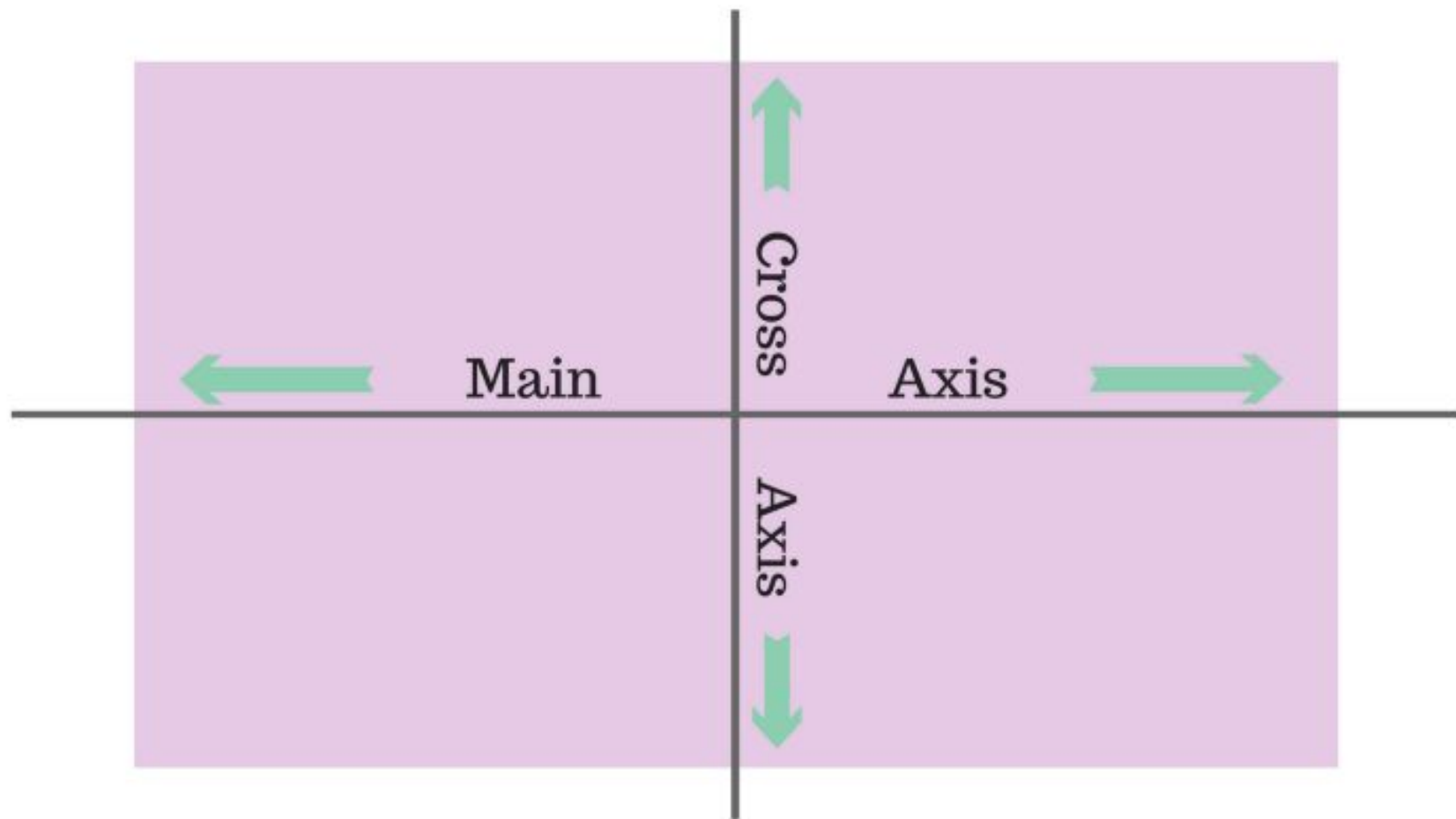
2

3

4

flex-direction: column;





align-items: flex-start;



MEDIA QUERIES

- Define CSS rules that only apply on certain devices
- E.g. only certain screen widths or only in landscape
- Tbh, kinda sucks
 - Default API is cryptic
 - Third parties do it better

CODING



MUST

<https://css-tricks.com/snippets/css/a-guide-to-flexbox/>

<https://www.freecodecamp.org/news/an-animated-guide-to-flexbox-d280cf6afc35/>

<https://www.freecodecamp.org/news/an-animated-guide-to-flexbox-d280cf6afc35/>,
<https://stackoverflow.com/questions/22576927/how-to-dynamically-change-css-class-of-div-tag>, load javascript in html, on document ready js, css apply on id,
js hashmap, js for loop, js random,
<https://stackoverflow.com/questions/9180184/access-css-file-contents-via-javascript>,
css border shadow, tailwind css, css round edges, css rounded borders,
css media query,
<https://stackoverflow.com/questions/12232858/css-table-and-max-width-in-chrome-not-working>,
max width not working chrome,
tailwind css include, tailwind css include, tailwind input,
<https://tailwindcomponents.com/component/search-box>,
tailwind flex, tailwind shadow, <https://tailwindcss.com/docs/display/>,
<https://tailwindcss.com/docs/width/>, <https://tailwindcss.com/docs/flex-direction/>,
body take entire screen html, content-center not working tailwind,
bootstrap card, bootstrap checkbox, css media queries,
<https://material.io/resources/color/#!/>, bootstrap width, set body color, js
filter, js copy array, css text center