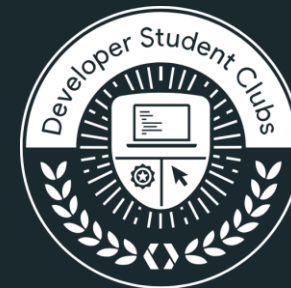


Web Study Jams



DSC
VIT Vellore

Web Dev What ?



Web development is the art of creating functional and beautiful web apps for the internet .

Web Dev Why ?



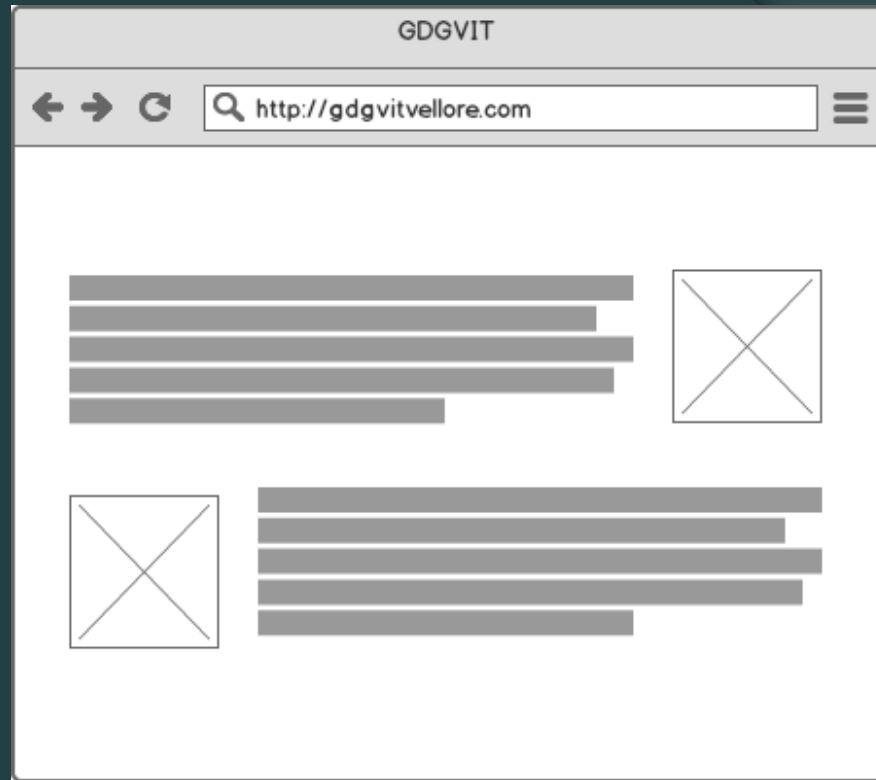
- Everlasting demand.
- Growing power of the browsers.
- Reach !
- Time tested.
- Update_(s)d , always.

What we'll cover ?

- Intro to web development
- Networking basics
- Github & Git basics
- HTML & CSS
- Javascript
- Lightning Talks



Intro to web development



Website (Front-end)



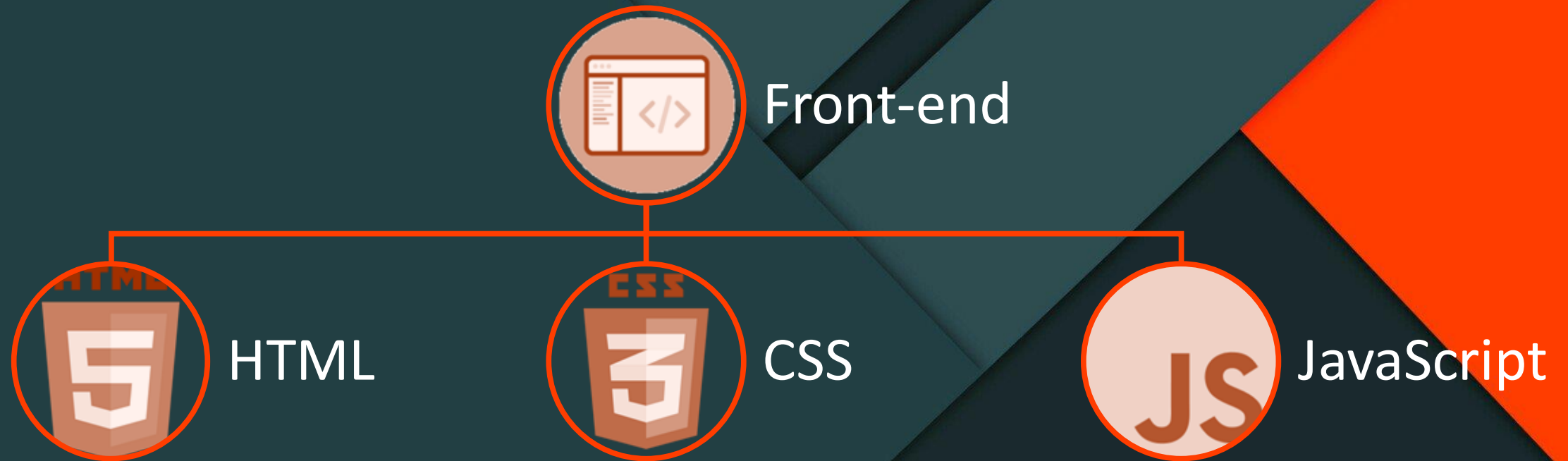
Server (Back-end)



Database



Intro to web development

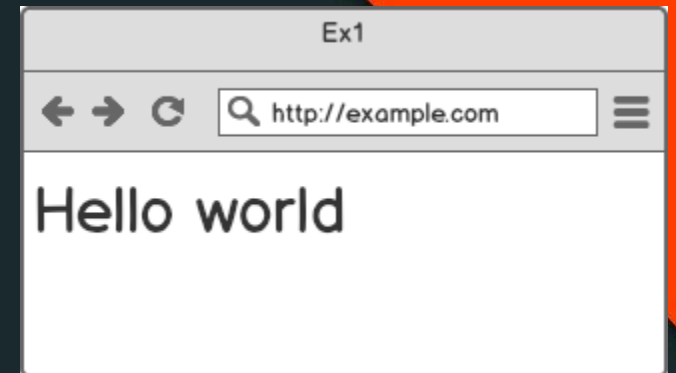


HTML

- HTML - Hyper text markup language
- Made up of tags
- Tags are nested


Example:

`<p>Hello world</p>`



HTML - Tags

`<p>Hello world</p>`



The diagram illustrates the structure of an HTML paragraph tag. It shows the code `<p>Hello world</p>` with three brackets underneath. The first bracket, labeled "Open Tag", spans the `<p>` portion. The second bracket, labeled "Body" in orange, spans the text `Hello world`. The third bracket, labeled "Close Tag", spans the `</p>` portion.

Open Tag

Body

Close Tag

HTML - Tags

- Html -
- Head -
- Body -
- Heading -
- Para -
- style
- image
- link
- input
- textarea
- button
- list
- div
- span

HTML - Tags

CODE

```
<html>  
  
  <body>  
  
    <h1>This is the Main Heading</h1>  
  
    <p>This text might be an introduction to the rest of  
      the page. And if the page is a long one it might  
      be split up into several sub-headings.</p>  
  
    <h2>This is a Sub-Heading</h2>  
  
    <p>Many long articles have sub-headings so to help  
      you follow the structure of what is being written.  
      There may even be sub-sub-headings (or lower-level  
      headings).</p>  
  
    <h2>Another Sub-Heading</h2>  
  
    <p>Here you can see another sub-heading.</p>  
  
  </body>  
  
</html>
```

DESCRIPTION

The opening `<html>` tag indicates that anything between it and a closing `</html>` tag is HTML code.

The `<body>` tag indicates that anything between it and the closing `</body>` tag should be shown inside the main browser window.

Words between `<h1>` and `</h1>` are a main heading.

A paragraph of text appears between these `<p>` and `</p>` tags.

Words between `<h2>` and `</h2>` form a sub-heading.

Here is another paragraph between opening `<p>` and closing `</p>` tags.

Another sub-heading inside `<h2>` and `</h2>` tags.

Another paragraph inside `<p>` and `</p>` tags.

The closing `</body>` tag indicates the end of what should appear in the main browser window.

The closing `</html>` tag indicates that it is the end of the HTML code.

HTML - Attributes

- id
- class
- href
- style

Side Task



Geek Label

A team of self confessed geeks who are all about
Great digital design



Side Task



Some agencies love **design**, but don't know how to build



Side Task

Contact

Send Message !

Or phone on: 01923 220121

Cascading Style Sheets (CSS)

SELECTOR



p

{

font-family: Arial;}



DECLARATION

CSS

```
h1, h2, h3 {  
    font-family: Arial;  
    color: yellow;}  
}
```



PROPERTY VALUE

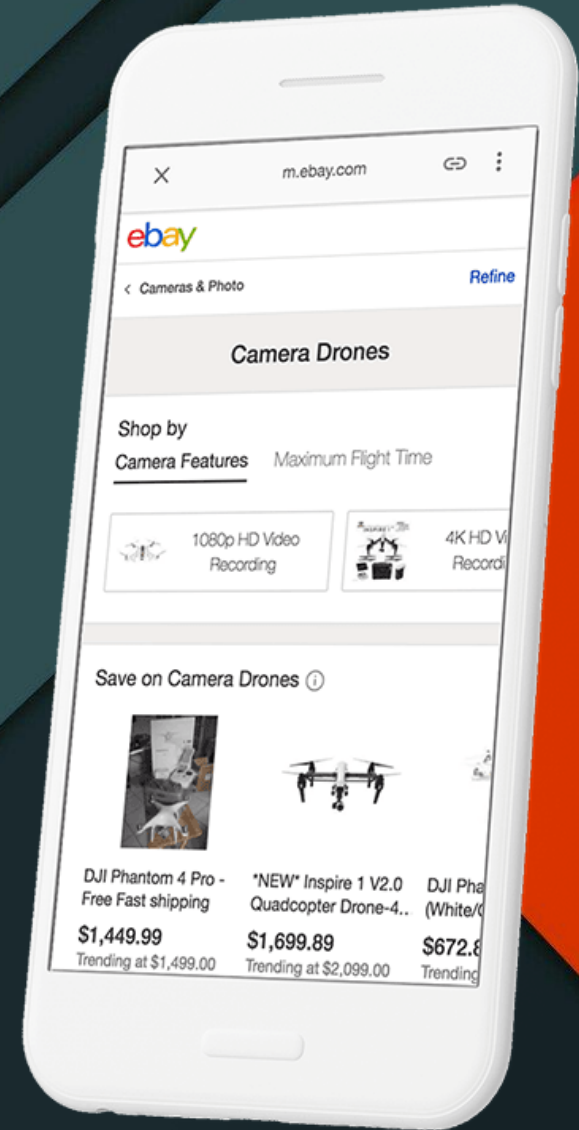
css properties

- Colours
- font styles
- DOM introduction
 - Margin
 - Padding
 - Border
 - Height
 - Width

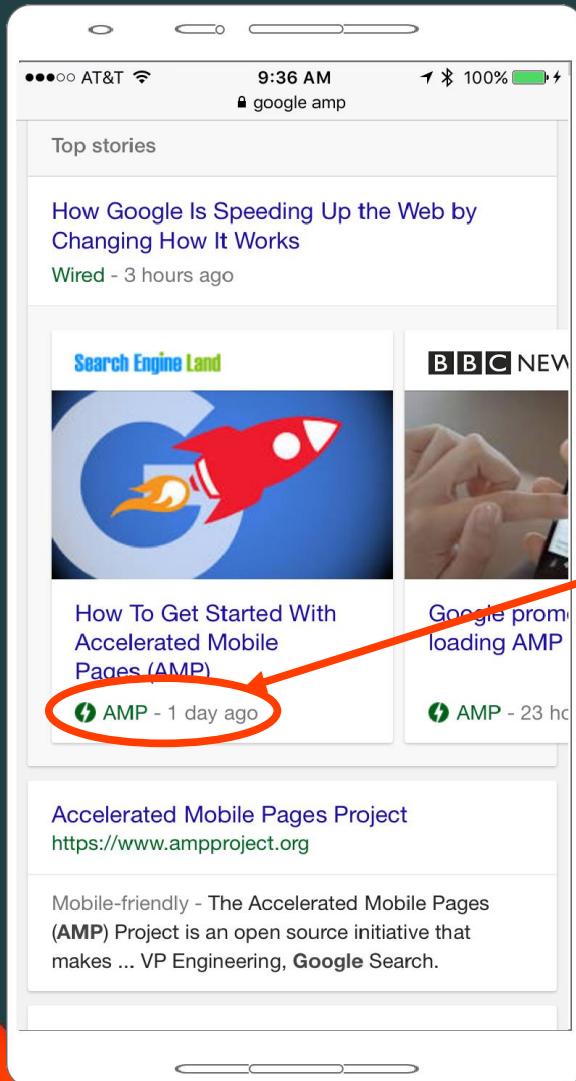
Web Dev Woah !

Accelerated Mobile Pages (AMP)

- Lightning fast load times on mobiles
- Robust feel even on slow networks
- Optimised to be silky smooth



Web Dev Woah !



AMP indexing by google

Web Dev Woah !

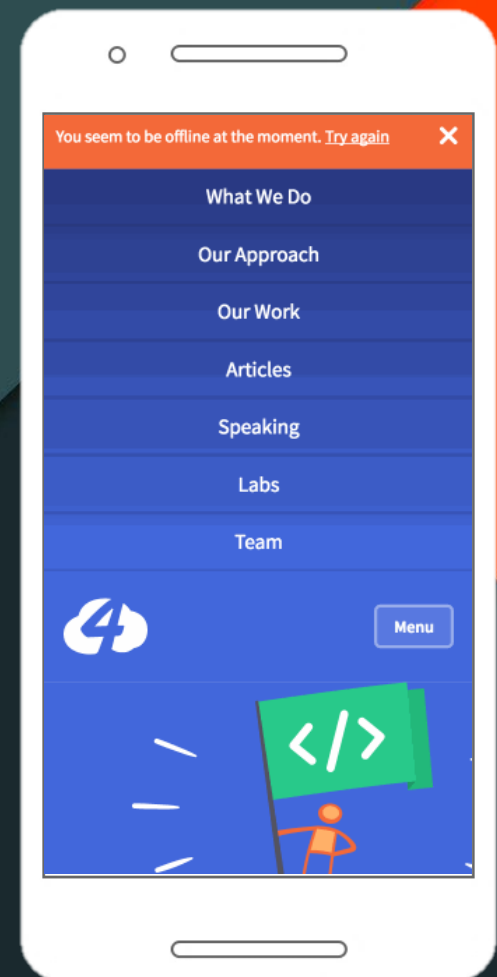
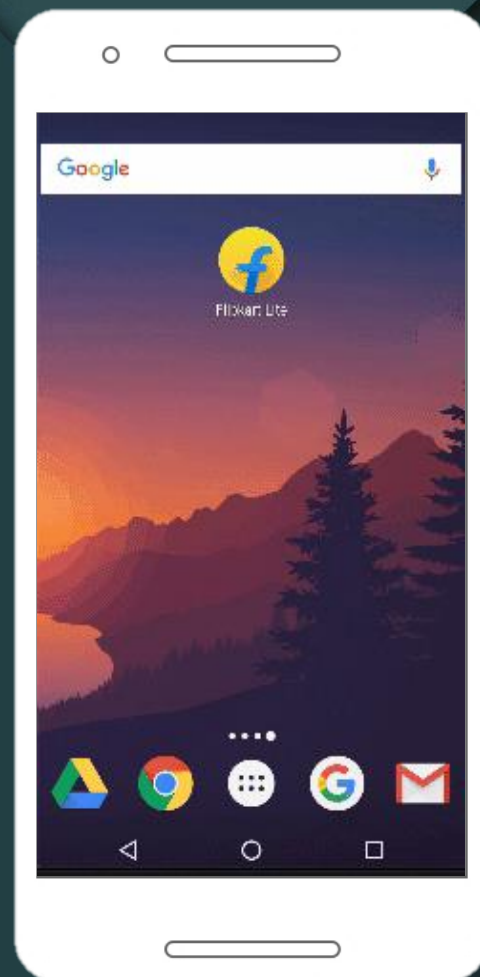
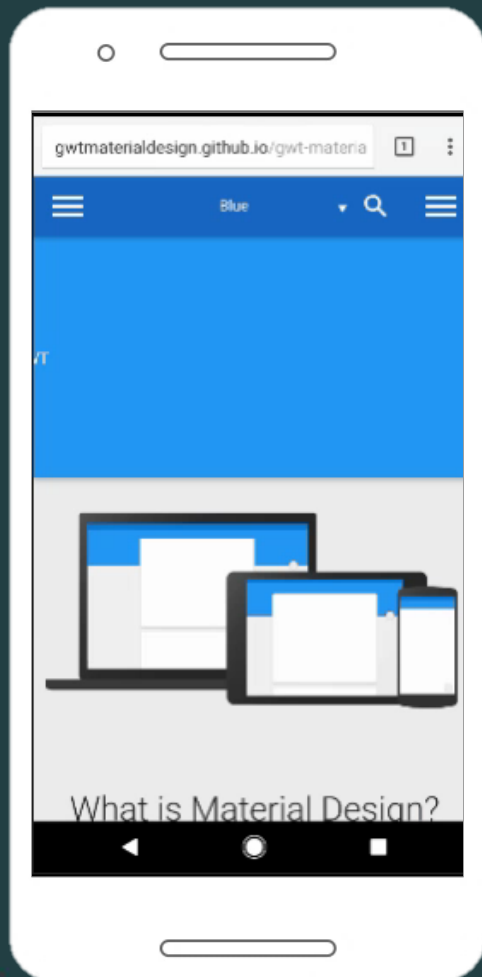
Progressive Web Apps (PWAs)

- Offline support
- Responsive
- App-like feel ,no lags
- Re-engagement first design
- Discoverable



Web Dev Woah !

PWA how do they actually feel ?



Web Dev Woah !

Who uses PWAs ?



- 65 % increase in pages per session
- 75% increase in tweets sent
- 20% decrease in bounce rate