Introduction to Frontend

Apps

Flutter, React,
HTML, CSS, JS
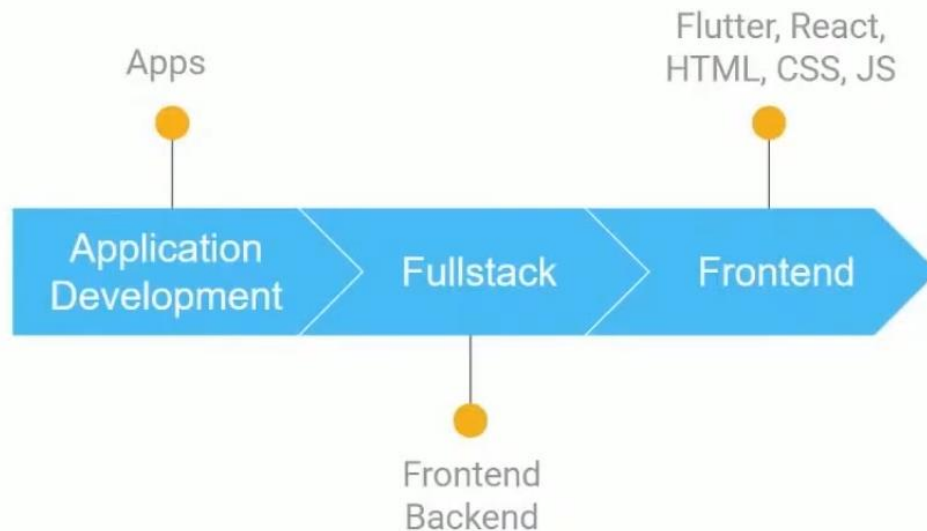
| Application Development | Fullstack | Frontend |

Frontend
Backend

Application Development

Specific Purpose

Application Development

When we say application,
it refers to the software developed
for a specific purpose

More relevant term is
Application Development

Ex: Browser, WhatsApp, Mobile Games, etc.

Chrome

Whatsapp

Learning Portal

iB Com

Application Development

All the Apps You Use
on your Computer and Mobile
are Applications.

The Word 'App'
is a Short Form of 'Application'

Application Developer

Frontend Developer   **Backend Developer**   **Full Stack Developer**

Frontend
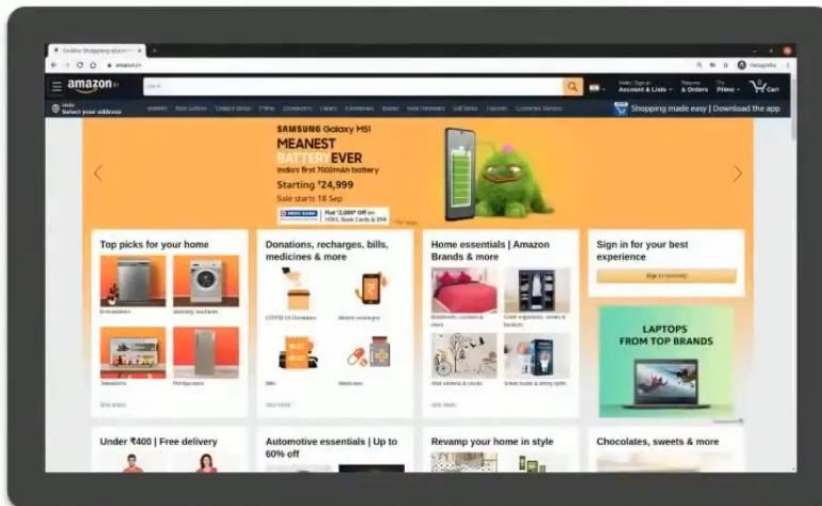
How Browsers See the Website?

What We See

What Browsers See

How are websites built?

Frontend Technologies
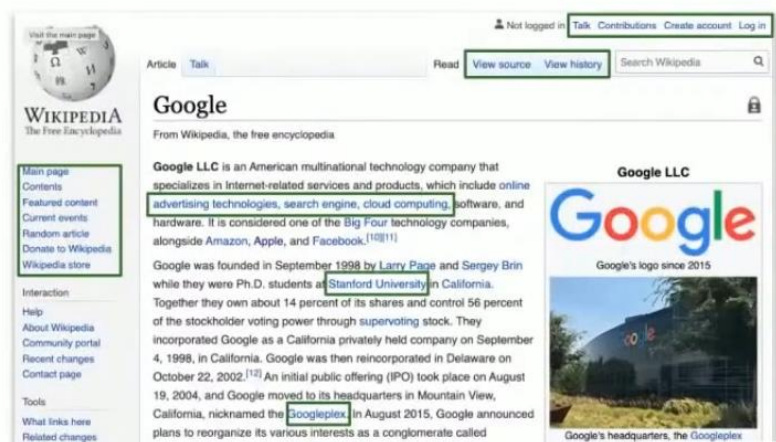
Frontend

HTML5: HyperText Markup Language

The content
that we see
is written
in HTML

Frontend

HyperText

HyperText
Text Containing Links
(Hyperlinks)

Meaning

Markup

The Remarks

That We Add to Highlight

The Importance of a Text in The Document

Which Helps in Better Understanding.

Parsing & Rendering

Parsing

In the present context,
Understanding and Separating Out
the different components
in the document by the browser

Ex: Parsing in our daily language is related
to understanding and separating out
verbs and nouns in a sentence

Parsing & Rendering

Rendering

After parsing the document,
the browser, with the help of Operating System,
Creates and Displays
what we are supposed to see on the screen

CSS3: Cascading Style Sheets

CSS

CSS adds **style** to the websites.

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CSS3: Cascading Style Sheets

To achieve style,

the following are used

- Fonts
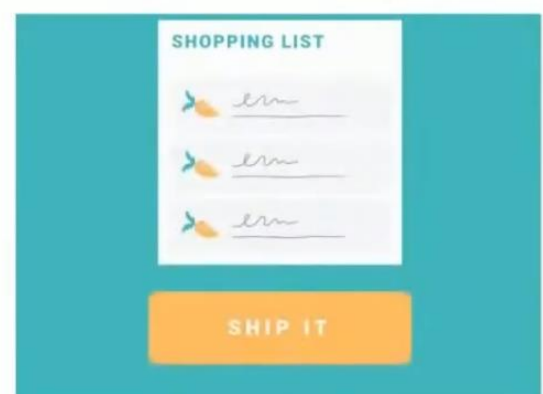- Colors
- Size
- Shapes
- Positioning, etc.

Javascript

Can change
the contents of website
dynamically
without reloading
the entire site

JS
ES9

Javascript

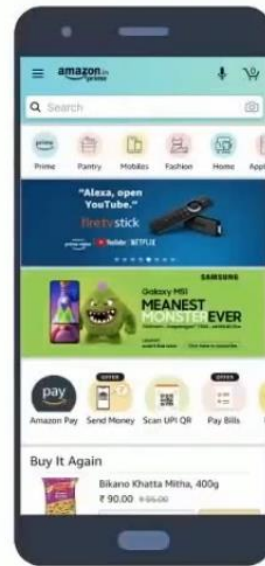Adds
interactive experiences
to the website

SHOPPING LIST

SHIP IT

Mobile Apps

Android App Development

android 11

Languages

Java   Kotlin v1.4

iOS App Development

iOS 14

Languages

Objective-C v2.0   Swift v5.2

Frontend
Responsive Web Design
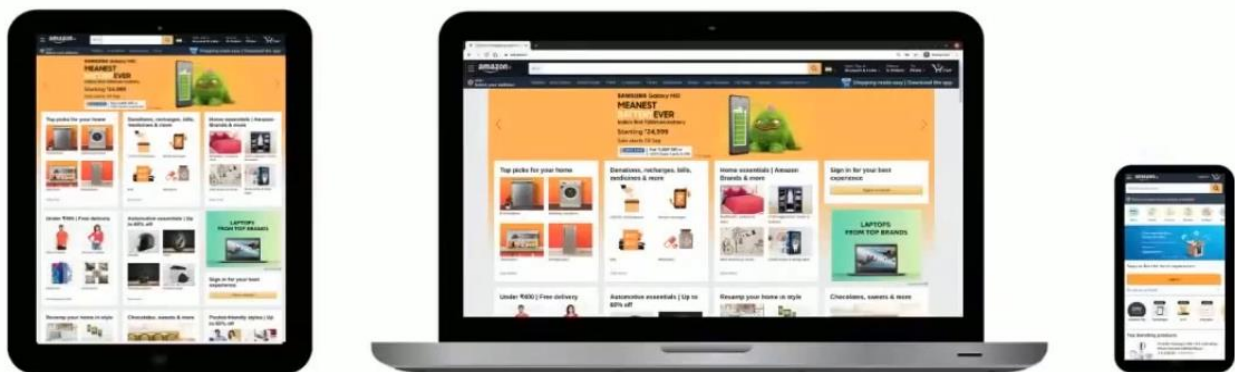
Frontend
Cross Platform

v0.63

React Native
Developed by Facebook

Who is using React Native

v1.20

Flutter

Developed by Google

Who is using Flutter