

DEV iO

Web still matters.

by Rohan Mehta, Mayank Shakya and Ritik Srivastava

The logo consists of the word "DEV" in blue, a red lowercase "i", and a green lowercase "o".

Rohan Mehta

Full Stack Developer



@rhnmt30



@rhnmt30



rhnmt30@gmail.com



@rhnmt30



Mayank Shakya

Front End Developer



@mr._mak



@mayanksh99



mayankshakya992@gmail.com



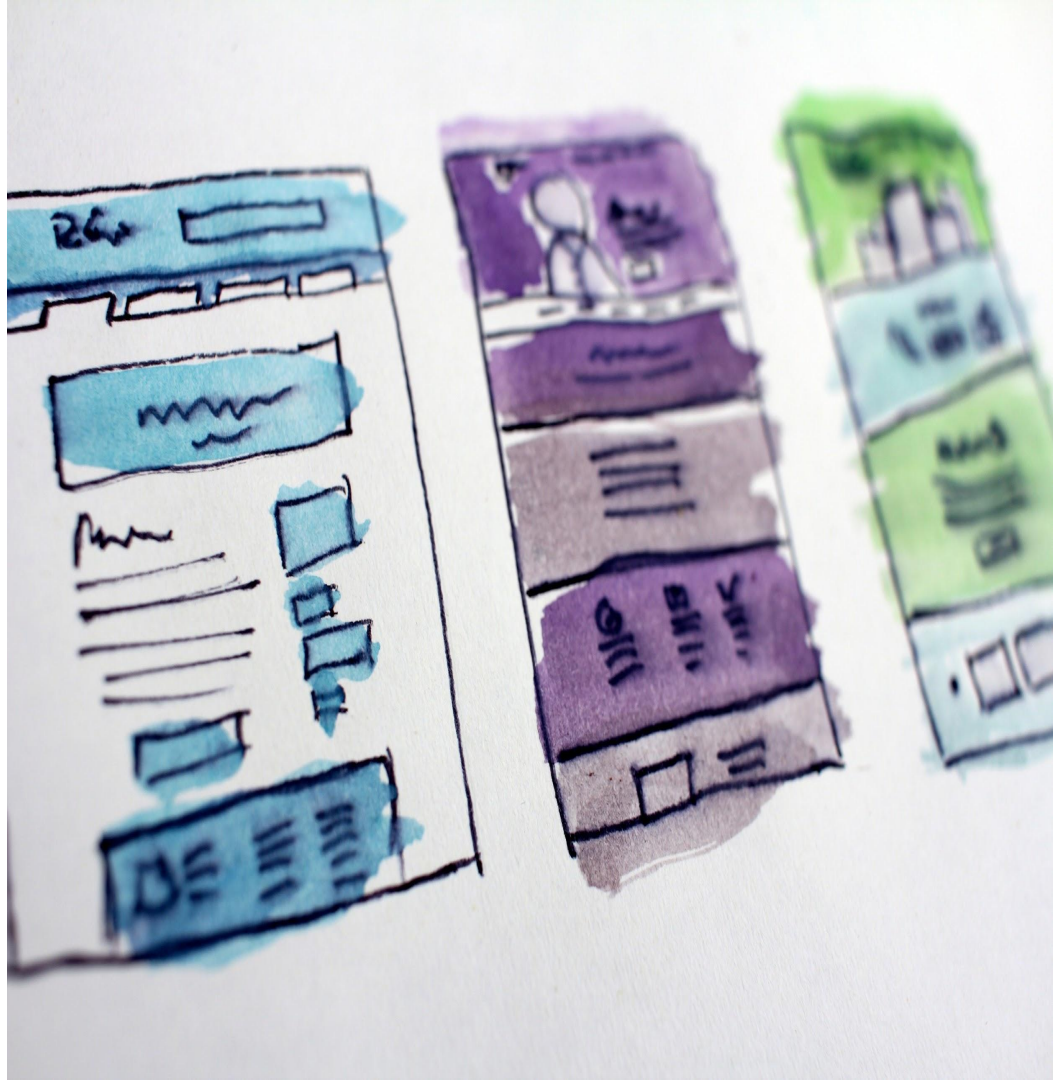
@mayanksh99



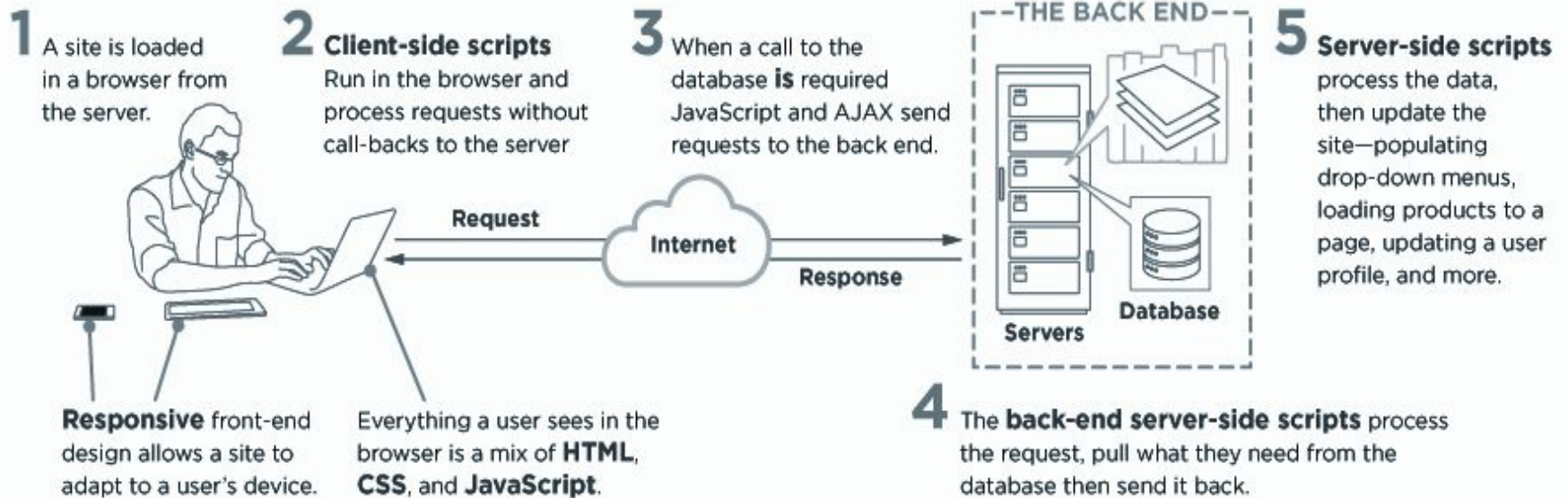
What is Front-End Development? 🤖



It is the development of look and feel of your website when a user opens it on a browser!



How does the 'WEB' work?



**Let's dive
right into it.**



< HTML5 />

- Backbone of the Internet.
- Not a programming language per se, only a tool!
- Used to define a structure to our website.
- Executed in the browser to create a DOM tree.



. { CSS3 }

- Stylist of the Internet.
- Not a programming language per se, only a tool!
- Used to define visuals of our website.
- Popular layout module are FLEXBOX and GRID

CSS



Register to DSCKIET

First Name
Last Name
Email
Full Address
City
State
Select Role ▼
Password
Confirm Password

Register

Register to DSCKIET

First Name

Last Name

Email

Full Address

City

State

Select Role ▼

Password

Confirm Password

Register

Responsive Web Design

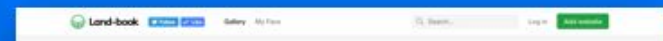
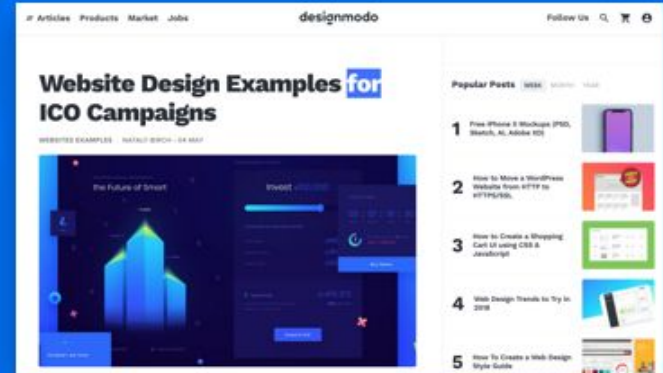
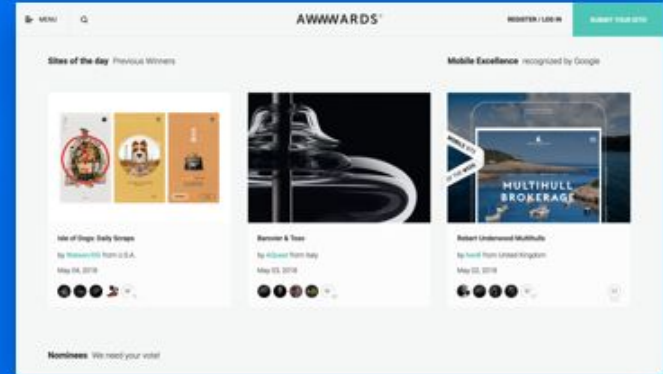
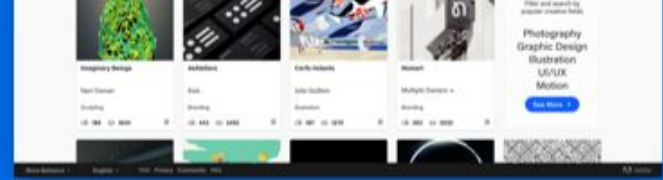
- People spend more hours on their smartphones rather than their computers.
- Solid knowledge of CSS is required to make your website UI friendly on every device.



What's next ?

Before diving further in you should follow these tips:

- Create simple web pages using HTML and CSS.
- Strengthen your basics.
- Look and understand how others do it.
- Learn new frameworks like Bootstrap, Material UI etc.

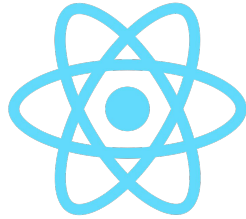


JavaScript

- **Moment of truth: JavaScript != Java.**
- **Programming language of the browser.**
- **Used to create interactivity in our websites.**
- **Similar to C/C++ in many ways.**



Pick a JS Framework/Library



For Modern day web development one should use a JavaScript framework/library.

How should I start learning?

Benefits:

- Totally free.
- At your own pace.
- Learn by solving challenges.
- Earn certificates to show off your skills.

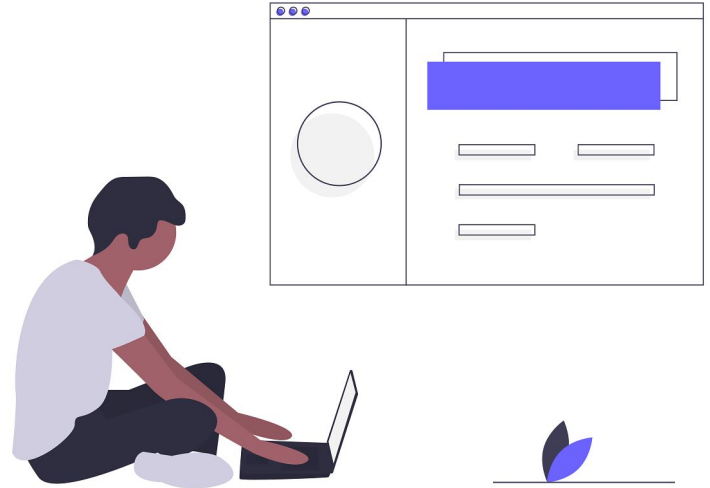
Climb that mountain today and learn how to code for free!



freeCodeCamp()

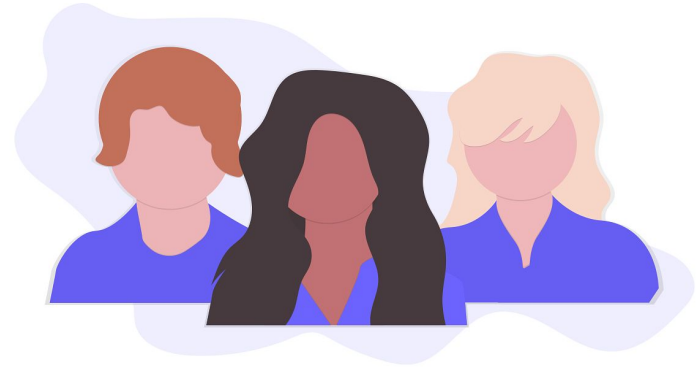
Few More topics worth knowing about!

- **CSS preprocessors** — SASS, SCSS, LESS, PostCSS.
- **JS build systems** — Gulp, Webpack, Grunt.
- **Node.js** — backend development with JS.
- **Git and Github** — lets you keep track of changes that have been made to code over time.
- **Code Editors** — VSCode, Atom, Sublime.



Where should I go if I need help?

- **MDN** — Best resources and guides for web devs.
- **W3 School** — Basics of web.
- **web.dev** — Best practices and guides
- **Pair program** — Try to pair up with someone with same interests for better learning
- **Meetups** — Meet new people around you with same interests and learn from them.



Ritik Srivastava

Backend Developer



@_ritiksr25



@ritiksr25



@ritiksr25



ritiksr25@gmail.com





Intro to Back-End Development

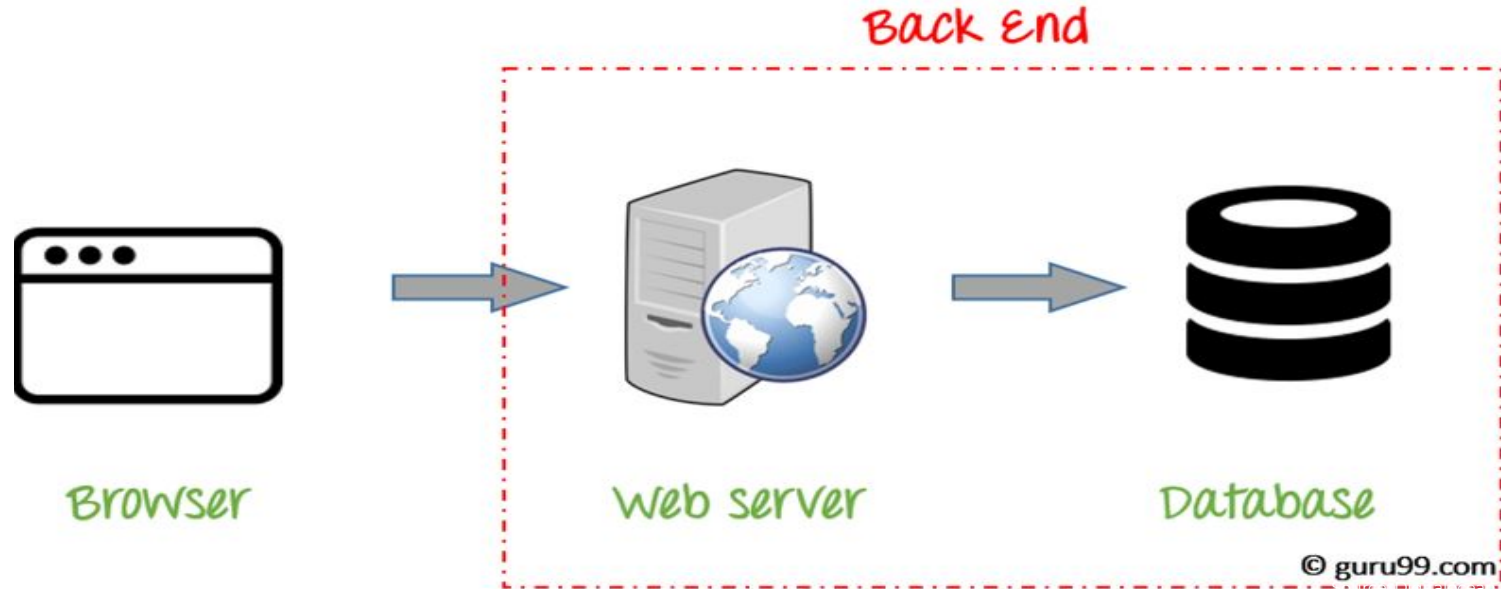


What's Backend?

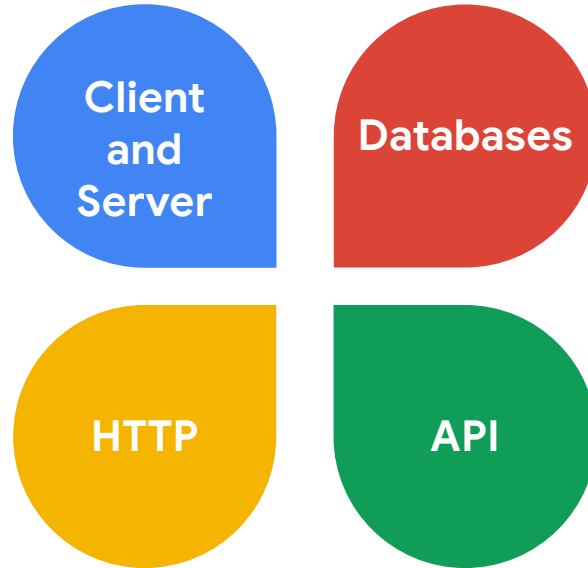
It is **BEHIND THE SCENE** part of a web application that perform the operations according to your request and provides the appropriate output which is displayed in frontend.



Working of Web



Prerequisite Concepts



Frontend to backend or backend??

Let's dive into
**Node.js, Express.js and
MongoDB**



Node.js

- Runtime Environment for Javascript built on Chrome's V8 JS engine.
- Not a programming language, not a framework
- Used to execute Javascript code on server side.
- Open-source, cross platform, highly scalable, fast.



Express.js

- Framework for Node.js Applications
- Not a programming language, only a framework
- Used as an addon to Node applications.
- Open-source, power-packed with extensive range of built in modules/libraries.

The word "Express" is displayed in a thin, black, sans-serif font. The letter 'E' is stylized with a horizontal line that extends to the left, creating a unique graphic element. The text is centered within a light gray rectangular background.

MongoDB

- Database for storage
- NoSQL Database, contains collections and docs.
- Uses JSON like document schemas.
- Cross-platform, document oriented



What other options do we have?

Worth Knowing!!



How to become Front End Developer?

Some useful resources

bit.ly/dsckiet-web

Thank you

Contact us at:



dsckiet@gmail.com



@dsckiet

