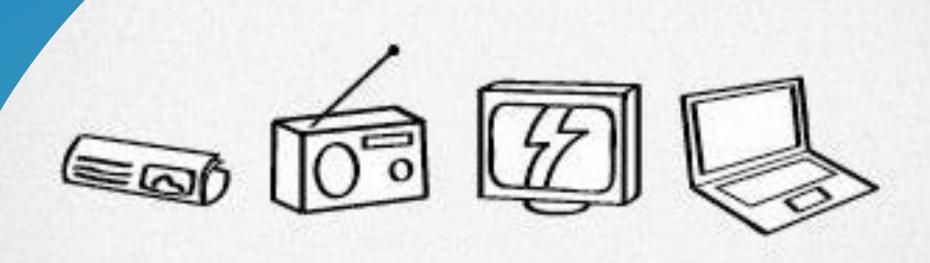




WEBSITES

Websites were originally developed for information sharing.



First Website

Tim Berners-Lee, a British scientist, invented the World Wide Web (WWW) in 1989, while working at CERN. The Web was originally conceived and developed to meet the demand for automated information-sharing between scientists in universities and institutes around the world.



info.cern.ch

Web Evolution from 1.0 to 3.0

Web2.0











- Basic Web pages
- HTML
- Ecommerce
- Java



- Social Media
- Global Internet Access
- Web Apps
- Data Monetization



- NFTs
- Semantic Web
- Metaverse (AR & VF
- Blockchains
- Artificial Intelligence
- Interoperability

2006 - Present

1990 - 2005

Forthcoming

WEB 1.0

Read-Only Web













User



User

WEB 2.0

The era we live in today



Web 3.0



Web 3.0 is not dependent or lead by any human.



It is entirely working on defined piece of code called "Smart Contracts"

Types of Website

Static

Dynamic

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O

Static Website



Static Website - Skills Required



Example of Static Site



Portfolios



Resumes

Dynamic Website



Enables changing in Data



Can have unique content on every visit.

Dynamic Websites



Dynamic websites have 2 parts:



User-Facing > Website



Client Handled > Control Panel / Admin Panel

Dynamic Website - Skills Required



Dynamic Websites requires Database and Server Connection.

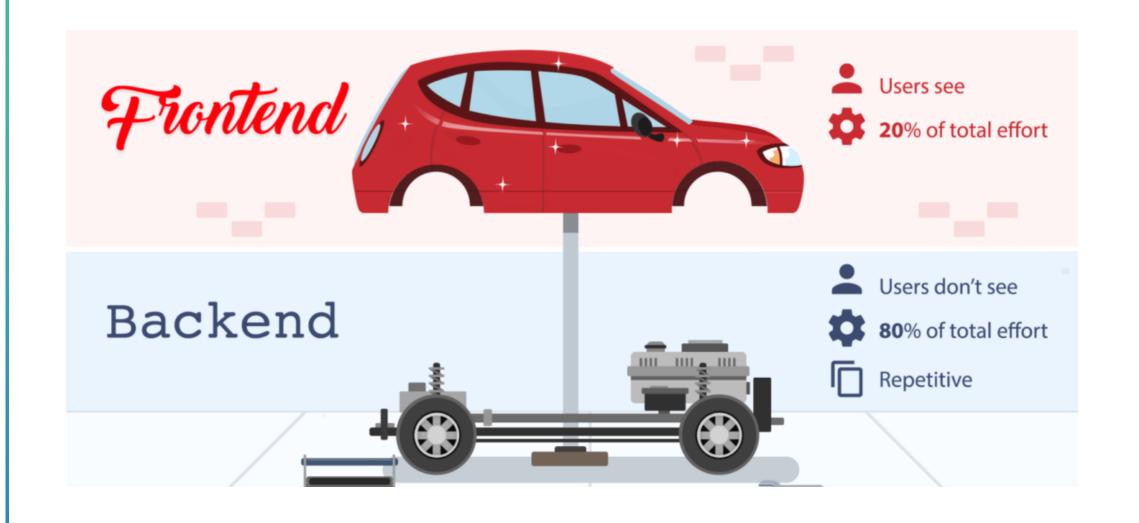


Hence, you need to have grip on DBs like MongoDb, MySQL, Postgresql, Firebase.

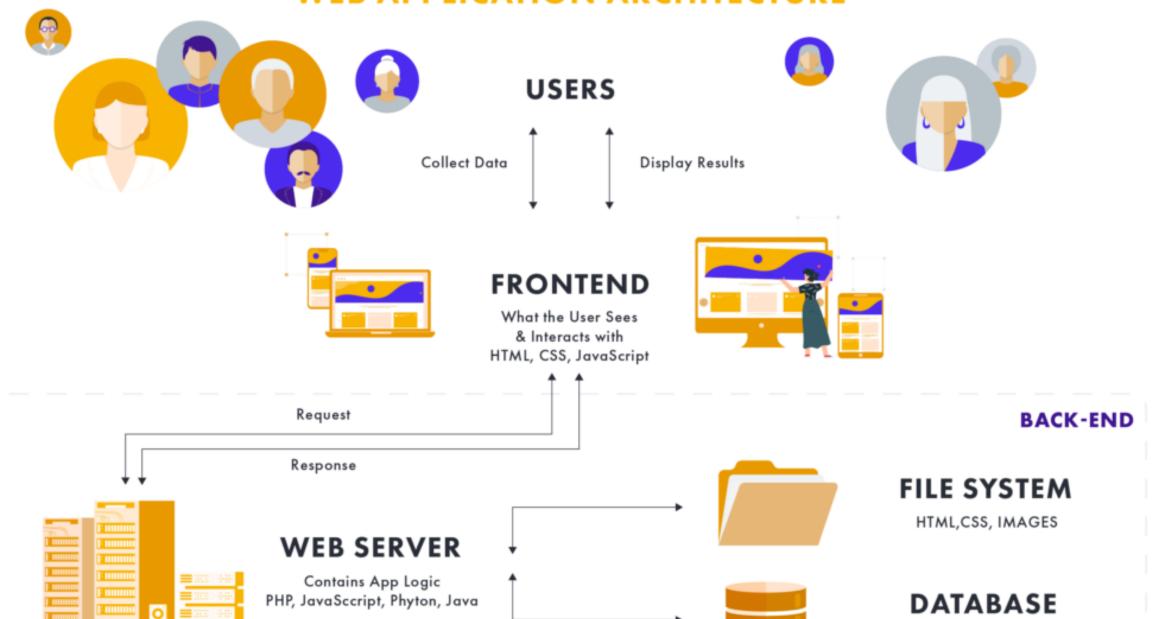


Server like, Nodejs, PHP, Python, Java, .net.

FRONTEND & BACKEND



WEB APPLICATION ARCHITECTURE



+

C

Frontend

Front-end development is the process of building components that interact with users. Examples are the user interface, buttons, user-entered data, and user experience (UX) features.

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Backend

The back-end, also called the serverside, consists of the server which provides data on request, the application that channels it, and the database which organizes the information T

C

Database

Databases support good data access because: Large volumes of data can be stored in one place. Multiple users can read and modify the data at the same time. Databases are searchable and sortable, so the data you need can be found quick and easily.

WEB CATEGORIES



WEB CATEGORIES

- Blogs. (medium.com)
- Business/Corporate Websites. (techloset.com)
- NGO /Non-Profit Websites. (saylaniwelfareuk.com)
- E-Commerce Websites. (khaadi.com)
- Multi-vendor Websites. (daraz.pk)
- Educational Websites. (Ims.uaf.edu.pk)
- Entertainment Website. (Netflix.com)
- Portfolio Website.
- Social Media Websites.(Facebook.com)