Web Tech Introduction I

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History of Web

Web 1.0

- Static Web Pages
- Mostly Read Only Web
- Information Sharing

1990 2000 2010 2020

History of Web - Web 1.0

1990 - 2004



- Ecommerce
- Search Engine





National Aeronautics and Space Administration

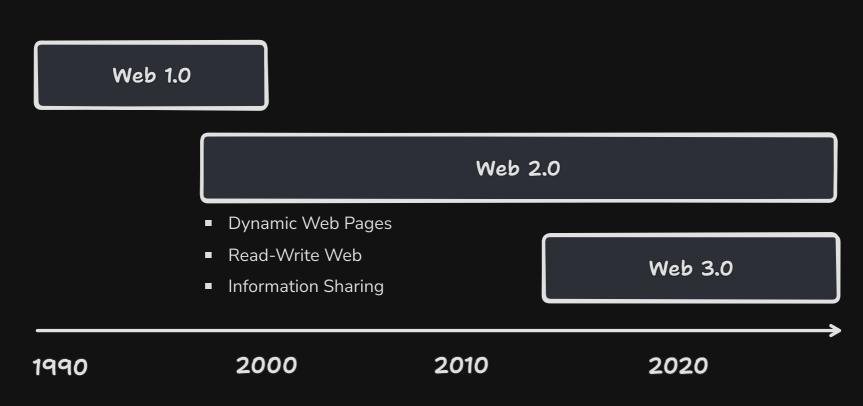


The NASA Homepage

- Welcome This is a good place to begin your journey. Start by reading a letter from NASA Administrator, Dan Goldin, or NASA's Strategic Plan. Check out the User Tips page to find the helper applications you will need to get the most out of what we have to offer.
- <u>Today@NASA</u> If you've read about NASA recently or seen something on TV, this is place to go for links to more details about breaking news. You can find the most recent Hubble Space Telescope Images, links to the Shuttle Web and the latest news releases. [This site is extremely busy, please be patient.]

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History of Web



History of Web - Web 2.0

2000 - Now



- SaaS
- Social Media
- Streaming Media













Web 2.0

Web Application

Frontend

Ancient feriods

Provided by solds

Extra Services

Provided by solds

Extra Services

Indicate Services

In

HTTP / HTTPS



WS/WSS

Web APIs

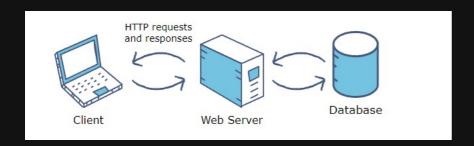
Backend



Web Backend

Web Server

- Deliver static content.
- Content is delivered using the HTTP protocol only.
- Serves only web-based applications.



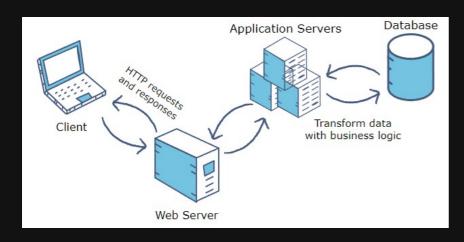




Web Backend

Application Server

- Delivers dynamic content.
- Provides business logic to application programs using several protocols (including HTTP).
- Can serve web and enterprise-based applications.



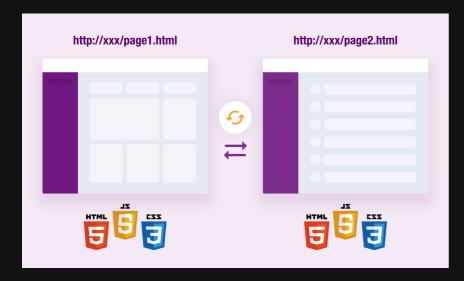


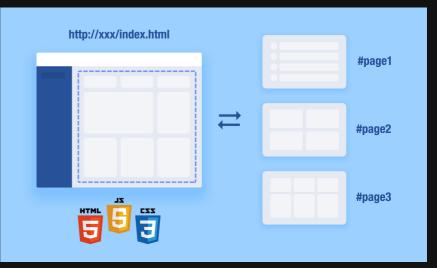
Web Frameworks

Web Frontend

Web App

MPA SPA





Web Frontend

Web App

MPA

SEO is simple

Loads of existing frameworks, solutions and best practices

Slower, constantly needs to load pages

(More) Tightly coupled frontend and backend



Highly reactive

Decoupled frontend

SEO is challenging

JavaScript strictly required











Real World Project

SDAQ & EMU