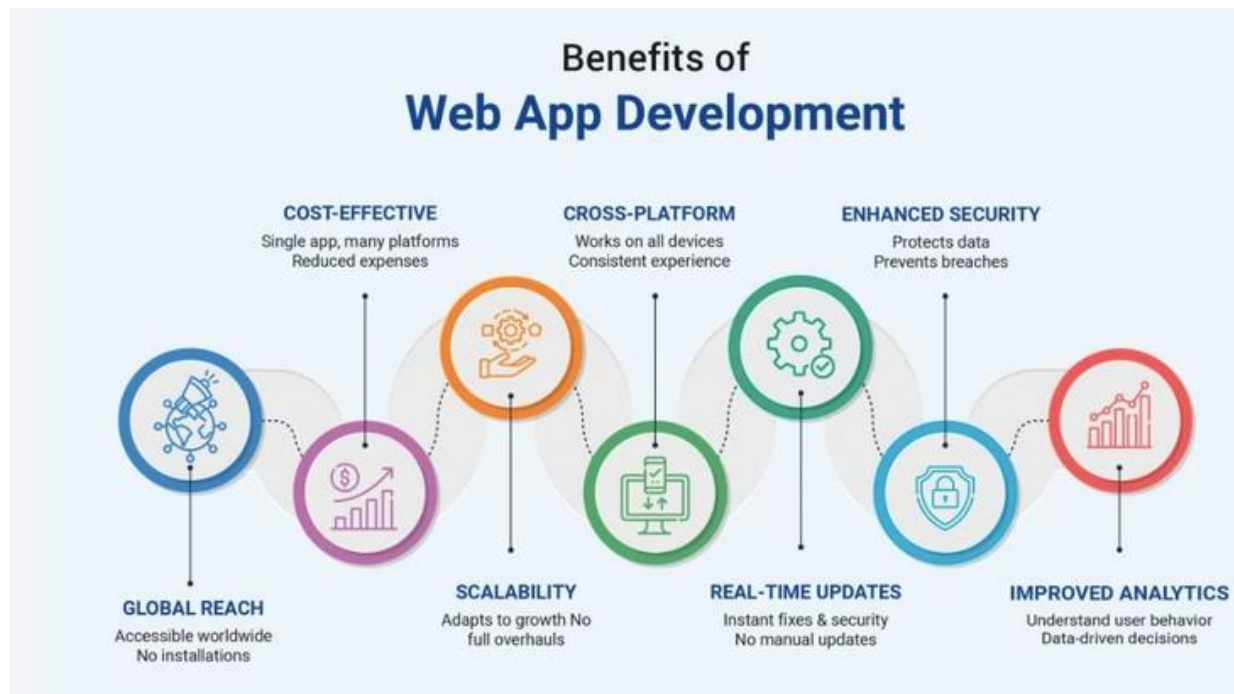# What is Web Development?

Web development is the process of building and maintaining websites and web applications. It involves designing the user interface, developing the backend functionality, and integrating databases to create dynamic, interactive websites.

Benefits :

Benefits of
Web App Development

COST-EFFECTIVE
Single app, many platforms
Reduced expenses

CROSS-PLATFORM
Works on all devices
Consistent experience

ENHANCED SECURITY
Protects data
Prevents breaches

GLOBAL REACH
Accessible worldwide
No installations

SCALABILITY
Adapts to growth No
full overhauls

REAL-TIME UPDATES
Instant fixes & security
No manual updates

IMPROVED ANALYTICS
Understand user behavior
Data-driven decisions

Web Development: Frontend, Backend, and Databases
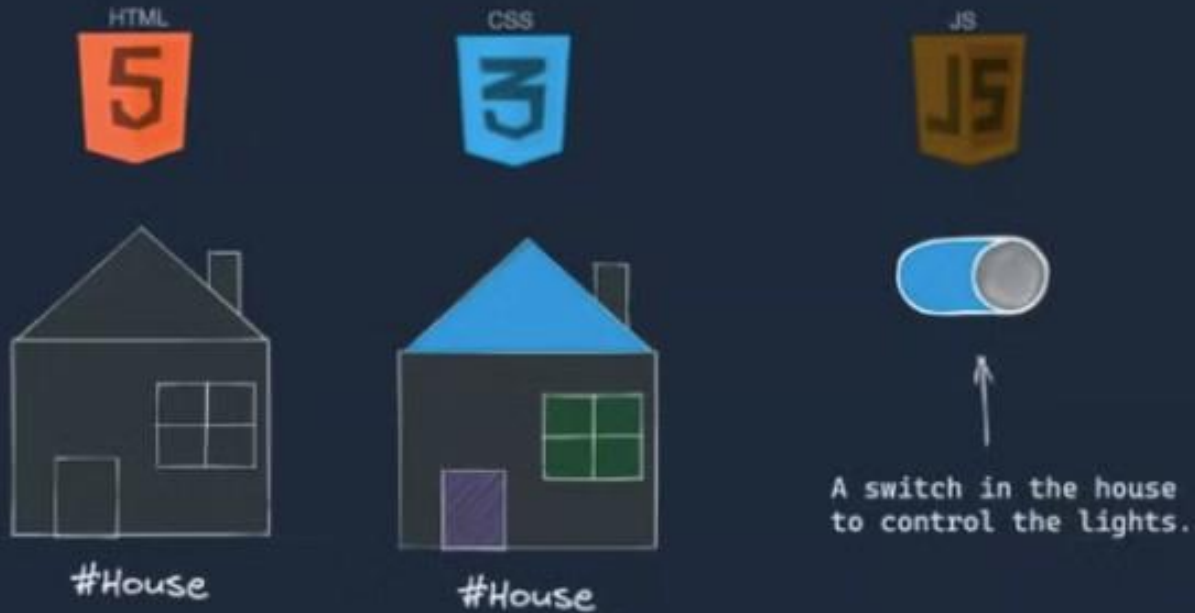
Frontend

The frontend of a website consists of the user-facing components, such as the HTML, CSS, and JavaScript that determine the layout, styling, and interactivity.

Backend

The backend handles the server-side logic, processing user requests, and managing data storage and retrieval using technologies like programming languages, frameworks, and databases.

Databases

Databases are used to store and manage the data that powers web applications, providing a structured way to store and retrieve information.

Frontend Development:

1 — **HTML**

Plain HTML provides the basic structure and content of a website, but lacks styling and interactivity.

2 — **HTML + CSS**

CSS allows web developers to add styling, layout, and visual enhancements to the HTML structure.

3 — **HTML + CSS + JS**

JavaScript empowers web pages with dynamic behavior, enabling interactive user experiences and complex functionality.

Backend Development and Databases

Backend

The backend of a web application handles server-side logic, processing user requests, and integrating with various data sources and services.

Databases

Databases are used to store and manage the structured data that powers web applications, providing a reliable way to store and retrieve information.

Integration

Backend developers work to seamlessly integrate the frontend with the backend, ensuring a smooth and cohesive user experience.

Salaries of Web Developers

Entry-Level
₹3,00,000 - ₹5,00,000 per year

Mid-Level
₹5,00,000 - ₹10,00,000 per year

Senior-Level
₹10,00,000 - ₹20,00,000+ per year

Specialized Developers
₹8,00,000 - ₹25,00,000+ per year

Certifications for Web Development

</> HTML5

Coursera , Udemy, edX,
SoloLearn, freeCodeCamp

CSS3

Coursera , Udemy, edX,
SoloLearn, freeCodeCamp

JavaScript

Coursera , Udemy, edX,
SoloLearn, freeCodeCamp

React

Coursera , Udemy, edX,
SoloLearn, freeCodeCamp