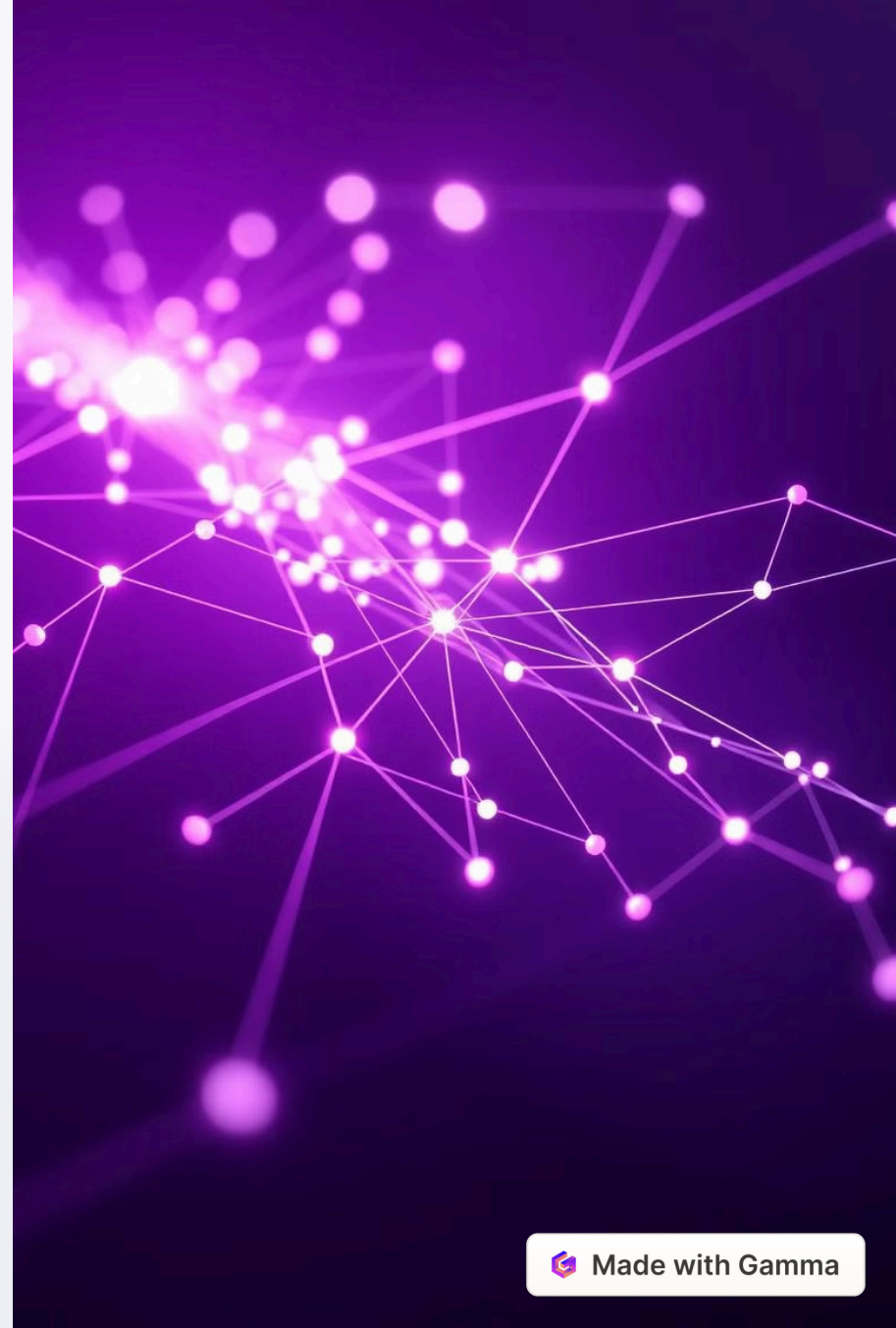


Introduction to the World Wide Web

Welcome to this exploration of the World Wide Web. Join us as we delve into its origins, architecture, and profound impact on society.

 by amarjeet saini



Origins and History of the Internet

Early Networks

The internet emerged from the vision of researchers in the 1960s, who sought to create a robust and decentralized communication network.

ARPANET

The Advanced Research Projects Agency Network (ARPANET), funded by the US Department of Defense, was a crucial step towards this goal.

The Birth of the World Wide Web



1

Tim Berners-Lee

British scientist Tim Berners-Lee created the World Wide Web in 1989 while working at CERN.

2

Hypertext

Berners-Lee envisioned a system that would allow users to navigate between linked documents, revolutionizing information access.

3

First Website

The first website was launched in 1991, providing basic information about the project.

How the WWW Works: Clients, Servers, and Protocols

1

Clients

Web browsers, like Chrome or Safari, act as clients, sending requests to servers.

2

Servers

Servers store websites and respond to requests from clients, sending back web pages.

3

Protocols

HTTP and HTTPS define the rules for communication between clients and servers.



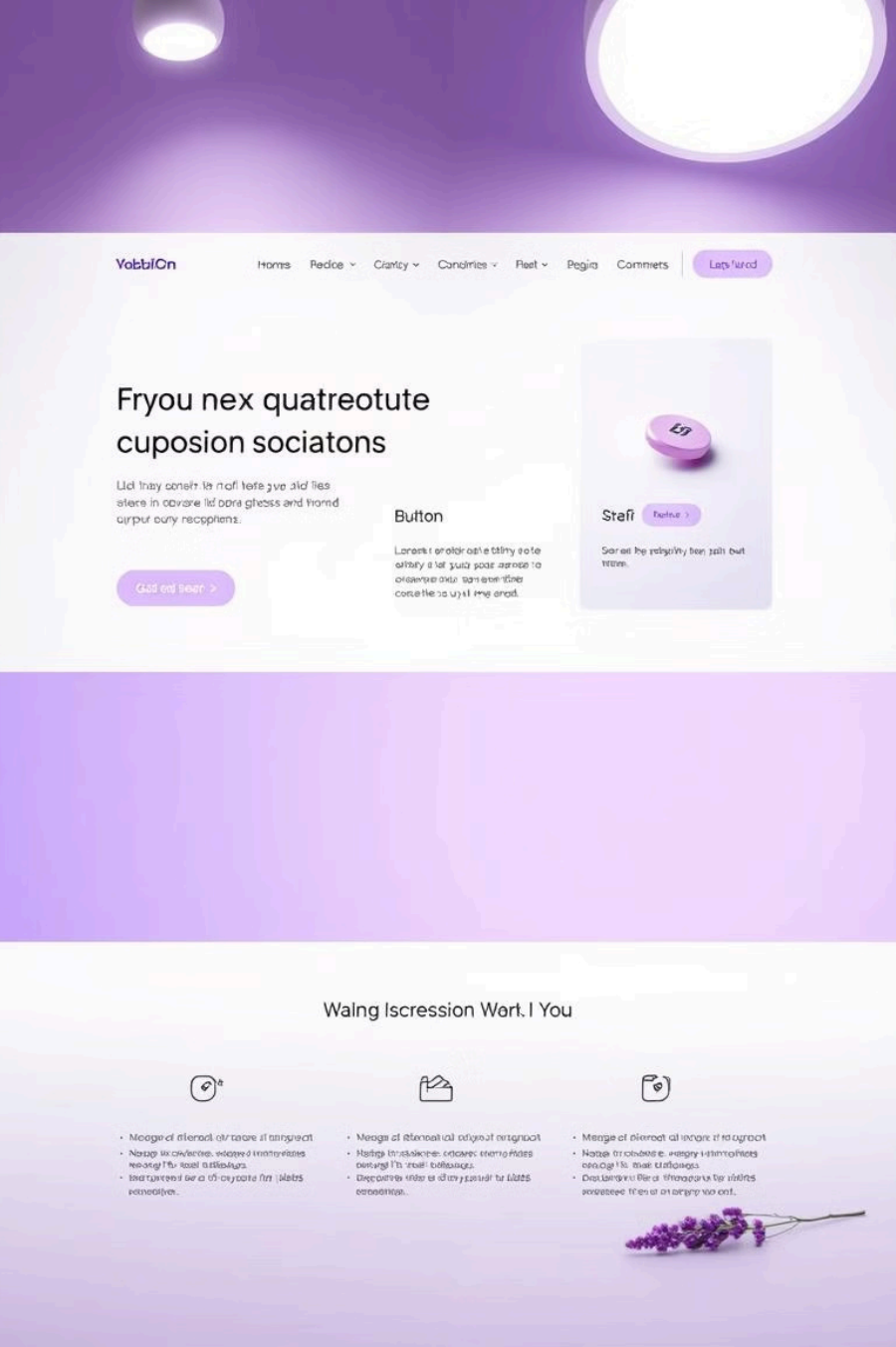
The Role of Web Browsers and Search Engines

Web Browsers

Web browsers interpret web pages and display them to users, allowing interaction with websites.

Search Engines

Search engines index and organize web pages, enabling users to find relevant information quickly.



Navigating the Web: URLs, Hyperlinks, and Web Pages

URLs

Uniform Resource Locators (URLs) identify specific resources on the web, like web pages or images.

Hyperlinks

Hyperlinks connect different parts of a web page or different websites, allowing users to navigate easily.

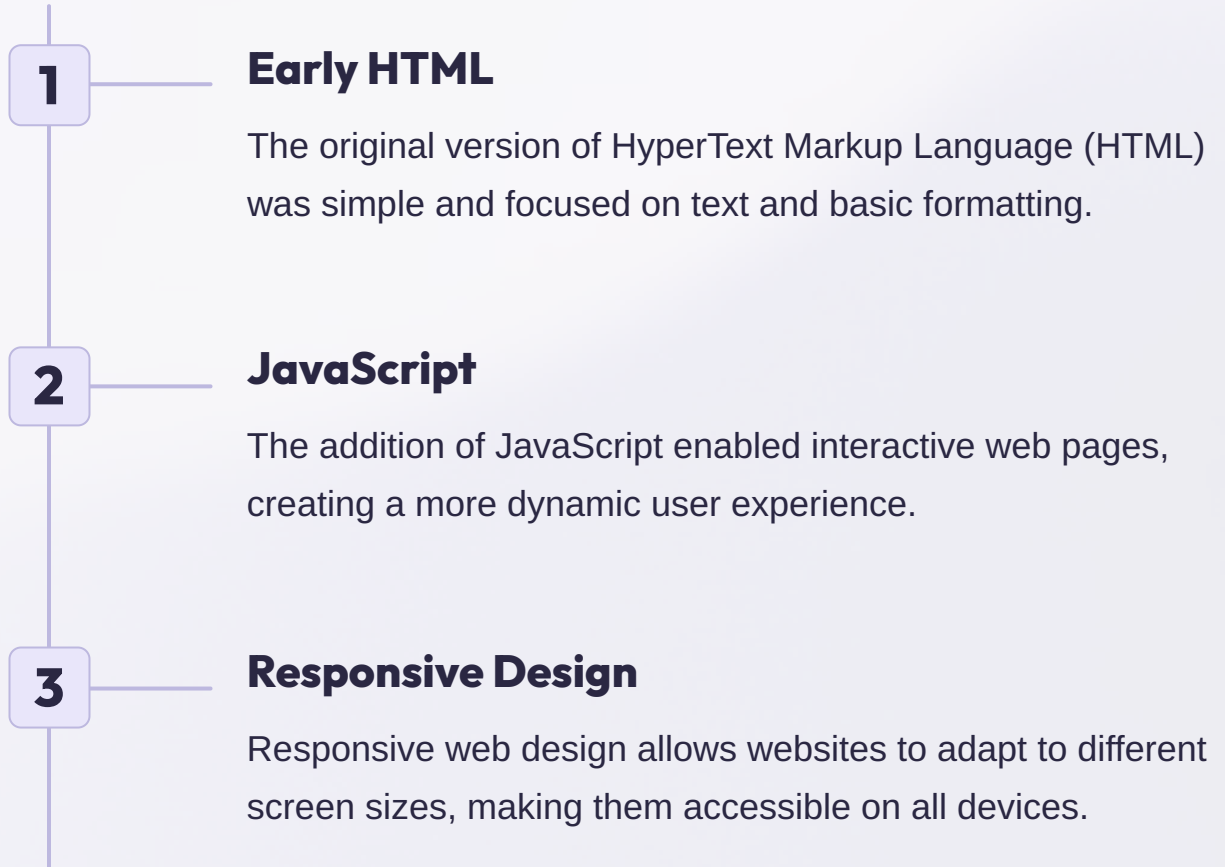
Web Pages

Web pages are the building blocks of the web, containing text, images, and multimedia content.

Web Technologies



The Evolution of Web Technologies and Standards





The Impact of the World Wide Web on Society



Global Connectivity

The WWW has connected people from all over the world, breaking down geographical barriers and facilitating communication.



Access to Information

The web has revolutionized information access, making knowledge and resources readily available to everyone.



E-commerce

Online shopping has transformed the retail industry, providing consumers with a wider range of products and options.