

Web Development Introduction

A Basic web based Process

- When we type a URL into our browser and press return, no matter where in the world that URL lives, the page pops up on.
- What happens?

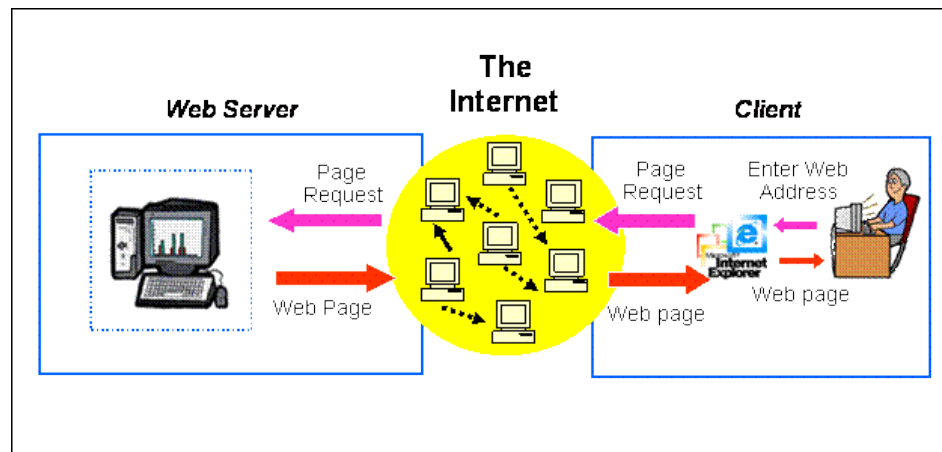


- How it is possible?

Web development

What is Web development?

- It is **not a single activity**—it's an umbrella term for several fields of website creation.
- The primary forms of web development are client-side, server-side, and full-stack development.
- Both client and server-side programs are necessary to make a website function.



- **Server-side** is the systems that run on the server
- **client-side** is the software that runs on a user's web browser.

Client side Vs Server side

- **Client-side web development involves interactivity and displaying data**
- **Server-side is about working behind the scenes to manage data.**
- Common Programming languages for client-side programming are :
 - 1) **Javascript**
 - 2) VBScript
 - 3) **HTML**
 - 4) CSS
 - 5) AJAX
- Common Programming languages for server-side programming are :
 - 1) PHP
 - 2) C++
 - 3) **Java and JSP**
 - 4) Python
 - 5) Ruby on Rails

UNIT III CLIENT SIDE TECHNOLOGIES

- XML
 - Document Type Definition
 - XML Schema
 - Document Object Model
 - Presenting XML
 - Using XML Parsers: DOM and SAX
- JavaScript Fundamentals
- Evolution of AJAX
- AJAX Framework
- Web applications with AJAX
- AJAX with PHP
- AJAX with Databases

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UNIT IV SERVER SIDE TECHNOLOGIES

- Servlet Overview
- Life cycle of a Servlet
- Handling HTTP request and response
- Using Cookies
- Session tracking
- Java Server Pages
- Anatomy of JSP
- Implicit JSP Objects
- JDBC
- Java Beans - Advantages
- Enterprise Java Beans
- EJB Architecture
- Types of Beans
- EJB Transactions

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