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Web Design using Dreamweaver

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Web Design using Dreamweaver

Fundamentals of Web and Dreamweaver

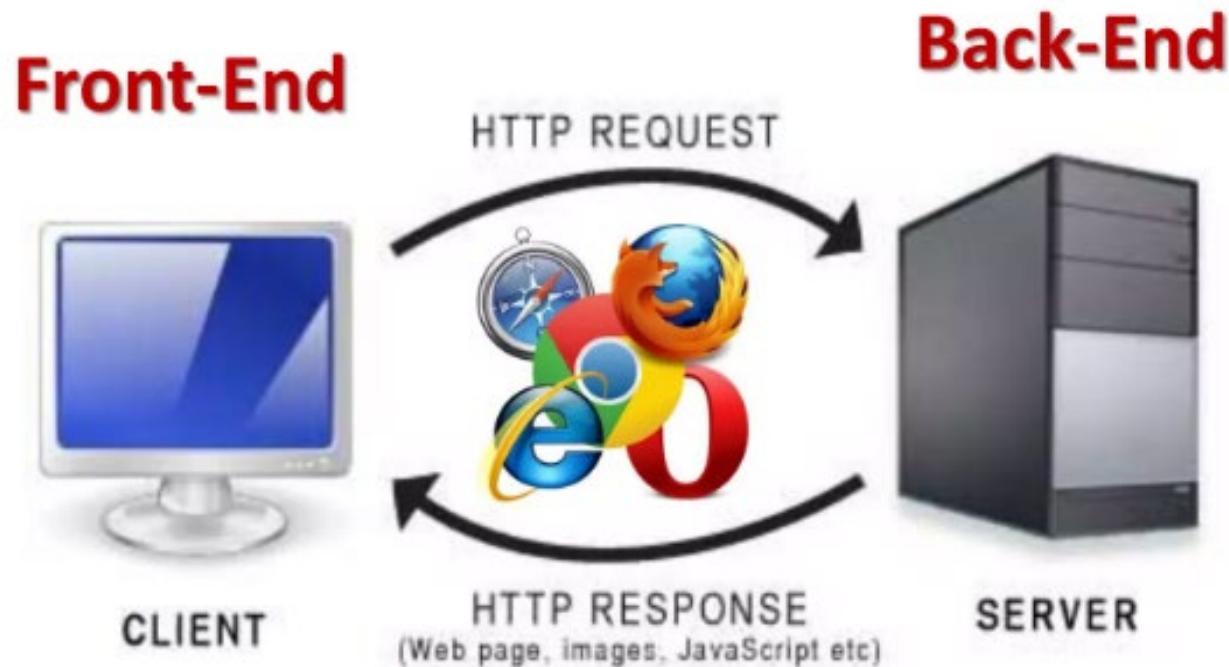
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Introduction to Web Design



CLIENT – SERVER ARCHITECTURE



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Introduction to Web Design



Client and Server Architecture

- Clients and Servers are **programs that communicate** with each other over the Internet
- A Server runs continuously, waiting to be **contacted by a Client**
 - Each Server provides **certain services**
 - Services include **providing web pages**
- A Client will send a message to a Server requesting the service provided by that server
 - The client will usually provide some **information, parameters**, with the request



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Client and Server Architecture

Client (Web Browsers):

- Google Chrome
- Mozilla Firefox
- Microsoft Edge
- Apple Safari
- Opera
- Brave
- Internet Explorer (legacy)

Server (Web Server):

- Apache HTTP Server
- Nginx
- Microsoft IIS (Internet Information Services)
- FileZilla Server (FTP Server)
- LiteSpeed Web Server
- Apache Tomcat (primarily for Java applications)
- Node.js (runtime for JavaScript applications)



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Web Browser

- Mosaic –by NCSA (National Center for Supercomputer Application) by late 1993
 - First to use a GUI, led to explosion of Web use
 - Initially for X-Windows system, under UNIX, but was ported to other platforms by late 1993
- **Browsers are clients** - always initiate, servers react (although sometimes servers require responses)
- Most requests are for existing documents, using HyperText Transfer Protocol (HTTP)



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Web Server

- Web Servers are the programs that provides documents to requesting browsers
- Provide responses to browser requests, either existing documents or dynamically built documents
- All communications between browsers and servers use Hypertext Transfer Protocol (HTTP)
- Web servers run as background processes in the operating system
- Some web servers are Apache, IIS, SunONE (Sun Open Network Environment) etc.



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Client-side Language



Structure



Presentation



Behavior

Server-side Language



ASP.NET

DBMS



Microsoft
SQL Server



THANK YOU

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