



# Web Design using Dreamweaver

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# Web Design using Dreamweaver

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## Fundamentals of Web and Dreamweaver

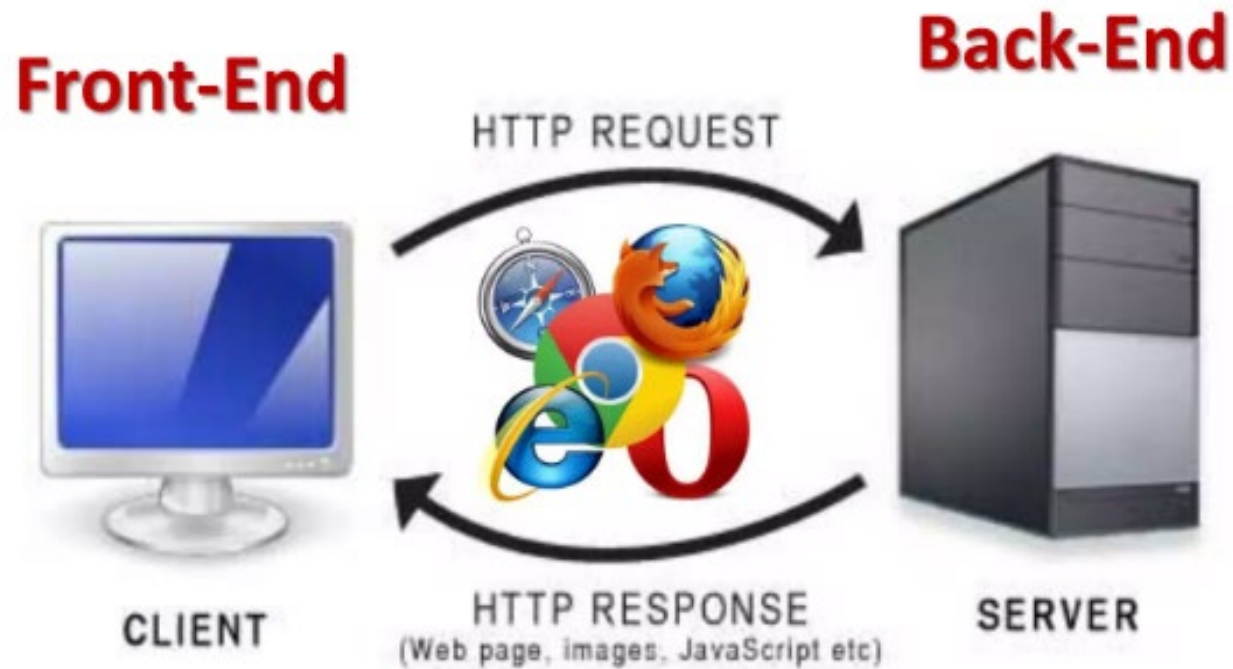
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# Web Design using Dreamweaver

## Introduction to Web Design



**CLIENT – SERVER ARCHITECTURE**



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## Introduction to Web Design

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### 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



### 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)



### 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)



### 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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## Introduction to Web Design

### Client-side Language



Structure



Presentation



Behavior

### Server-side Language



ASP.NET

### DBMS







# THANK YOU

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