REACHING ON SCIENCE



WEB DEVELOPMENT COURSE

LESSON 1: INTRODUCTION TO THE WEB





WHAT IS THE INTERNET AND WEB?

The Internet is a collection of computers around the world connected to each other via a highspeed series of networks. The World Wide Web – or Web – consists of a vast assortment of files and documents that are stored on these computers and written in some form of Hypertext Markup Language (HTML) that tells browsers how to display the information. The computers that store the files are called servers because they can serve requests from many users at the same time. Users access these HTML files and documents via applications called browsers.

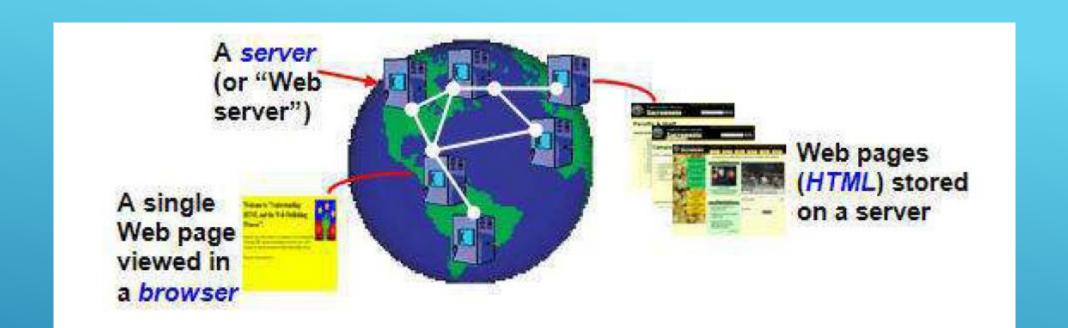


WHAT IS A WEBSITE?

A Website is a collection of webpages under a single domain(e.g. www.google.com). Webpages are hypertext documents which contain information about organization and are carried around the web. A browser is an application used to view webpages in other words the Web Browser creates the visual webpage you see in the browser based on

the HTML code. So when you go on computer open your web browser and type in for example www.facebook.com your browser will send a request to what are called Domain Name Servers and these will







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Untitled - Notepad

File Edit Format View Help

<!DOCTYPE html>
<html>
<body>
<h1>My First Heading</h1>
My first paragraph.
</body>
</html>
```

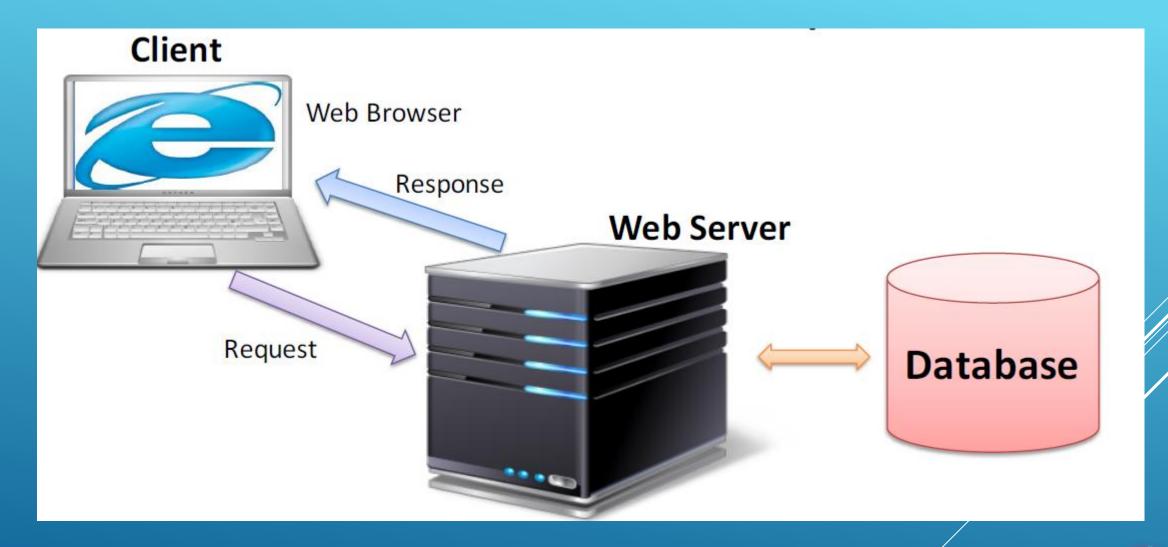
A webpage in HTML code and below in a web browser



HTML

HTML, or HyperText Markup Language, is the authoring language that describes how a Web page should be displayed by a Web browser. It has two essential features: hypertext and universality. Hypertext means when a visitor clicks a link on a Web page, the visitor is led to another Web page or document. Universality means that because HTML documents are saved as text files, virtually any computer can read a Web page

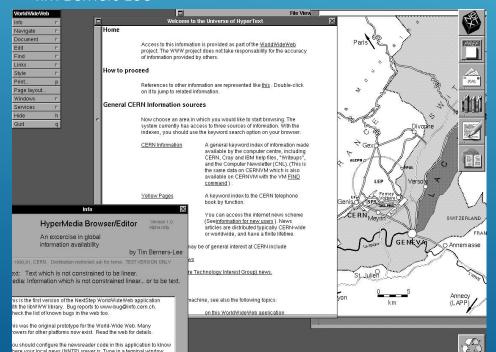








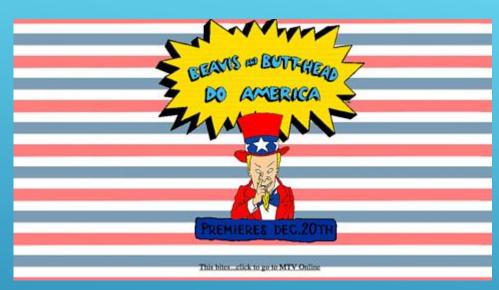
Tim Berners-Lee



HOW THE WEB STARTED

Tim Berners-Lee, a British scientist, invented the World Wide Web (WWW) in 1989, while working at CERN. The basic idea of the WWW was to merge the evolving technologies of computers, data networks and hypertext into a powerful and easy to use global information system. Tim Berners-Lee wrote the first proposal for the World Wide Web in March 1989 and his second proposal I 1990. Together with Belgian systems engineer Robert Cailliau, this was formalized as a management proposal in November 1990. This outlined the principal concepts and it defined important terms behind the Web. The document described a "hypertext project" called "WorldWideWeb" in which a "web" of "hypertext documents" could be viewed by "browsers".





MTV's Landing page

HISTORY OF THE WEB



AllLinks - Links to the web's best sites all on one easy to navigate page!	
The Weldstool Natwork makes 8 easy and affordable.	
Computing Anne to Select TOT Computes Contact and States Secretary Research Security SCCTOM	
Browsers Etc.	Amaza Arachnelcosi Chrome Micraech El Firefox & Trunderbird Elashplayer Marchon Netsoace (sid) Coera PDF Reader Pegasus Mail Cusic/Time Rea/Player Safati Shockwaye
OGI/Jevs	CGI Resource Extrapia Germina Jave Boutique JavesCoript Mattis Websoripta
Companies	AMD Apple Compas Cyrix Dell Digits Electro Sensor Galleway HE Issel Workto
Free Services	Announce Added ATC Engographic Shotgap Benners Link Exchange Smartclishs Chef Adherholds Challet Slobe Talk City 1655 Yand Ernell Hotnet Jano MailEaste Hosting Angelfne Endura City Geocifes Talkcark Triscal Web8000 Koom
Games	A. Vault Gamecenter Game Finder GamePen GamePen G. Domain Games.net GameSpot Happy Puppy DGR
Site Help	Absolute Builder.com Du Qued developer.com Dev. Zone HOME HTM.goodies HTM. Guide WebDeveloper restlyting.com Webmonkey Webmenne Web Review
Site Tools	Color Chart Cool Tool Dr. HTML FreeForm GIF Witzerd NetMachanic SBN Gallery Site Garage
Software	Quine Central Described Extrame Max Elemina Eleffie Elex Energeneous Emperatures Junio Nonega Softsees Stroot's Success Windows
Support	Newbie:U Microsoft PC-Heip Support Help Whatis
Entertainment	
	Companies Commenced sales Micros Internation (Recreation (Received (Recreation
Movies	Boxoffice Ginemachine Elim.com Elim.Scouts In.Theaters IMDb Moveninder MovieLinis Mr. Cranky Seel
Movie Studios	Buena Vista Daney Dimension Ess Fox Seaschight Hollywood MCMUA Minamax New Line October Desenount Sony Universal Warner Broa
Music Ezines	Allstar Classical CMJ Crime Ear.1 MTV HolingStone SonoNet VibeOnline
Music Concerts	LiesConcerts Lies Coine Polister Toketmaster WiLMA
Music News	Bilboard Hibifford Imusic Neeswine
Music Search	NAM Jacoberted LiciuServer MusicSentral MusicSentral MusicSentral USL UnfulSted YesfotSound
Stars	Cobersianze «Drive El Onine Ent. Asplum E. Washiy Enquirer Hollywood Mr. Showbix People Vanisty
TV	click TV GIST Prevue Bock on TV Total TV TV Guide UtimateTV
TV Networks	ABC I CBS I Disney I FOX I ESPN I HBD I NBC I PSS I WB I UPN I SUF)
Living Living Living (Crossis) (cross test livin State Section Section Section (CC LCS)	
Art	A. Besource CultureFinder Fine Side The Guide Playfull Buy/Self Doubletake
Education	adu A.S.D. AskERIC CollegeNet Petersons University Viteb 66
Family	Family.com Parenthood Parent.Soup Parents.com ParentTime Whole Family
Food	Beth/Crocker Diobal Chef Dinehet Episylous Food TV L Klathen Klathen Link Weeks 4U PHYS Star Chefs Zacat

ALIWEB



Search the web using Google

Google Search

I'm feeling lucky

More Google!

Copyright @1999 Google Inc.

WEB HISTORY TIMELINE

1993 – First search engine

1993 – Landing pages introduced (MTV)

1994 – First web browser (NETSCAPE) and JavaScript

1996 – Flash started

1998 – Google Beta goes live

2000 – The Online Economy (Rise of PayPal)

2003 – WordPress

2004 - Your Space (also Facebook launched)

2006 – Facebook goes public

2007 – The iPhone is released



Server-side Client HTML We Web Server 0 Brows JavaScript

SO WHAT IS WEB DEVELOPMENT?

Web development comprises of designing ,programming ,setting up of websites among other things also. It can be separated into two parts which are Frontend Development and Backend Development. Frontend Development comprises of designing the virtual part(graphics) of websites using HTML ,CSS and JavaScript and this is the part which is shown to the client. Backend Development comprises of the programming and database work which happens at the server-side.



RESOURCES FOR THIS COURSE

- 1. HTML and CSS design and build websites by John Duckett
- 2. A Text Editor

Windows: Notepad, Notepad++ and Sublime Text only

Android: HTML editor

3. A web browser

Windows: Google Chrome or Firefox

Android: Google Chrome

