Lab Exercise Week 2 – Introduction to HTML

Exercise 1 - Recreate the world's first webpage

Following is the text from the world's first ever web page. Copy the text below and recreate the page using appropriate tags for headings (H1 and H3 headings) and paragraph tags.

World Wide Web The WorldWideWeb (W3) is a wide-area hypermedia information retrieval initiative aiming to give universal access to a large universe of documents. Everything there is online about W3 is linked directly or indirectly to this document, including an executive summary of the project, Mailing lists , Policy , November's W3 news , Frequently Asked Questions .
What's out there? Pointers to the world's online information, subjects , W3 servers, etc.
Help on the browser you are using
Software Products A list of W3 project components and their current state. (e.g. Line Mode ,X11 Viola , NeXTStep , Servers , Tools , Mail robot , Library)
Technical Details of protocols, formats, program internals etc
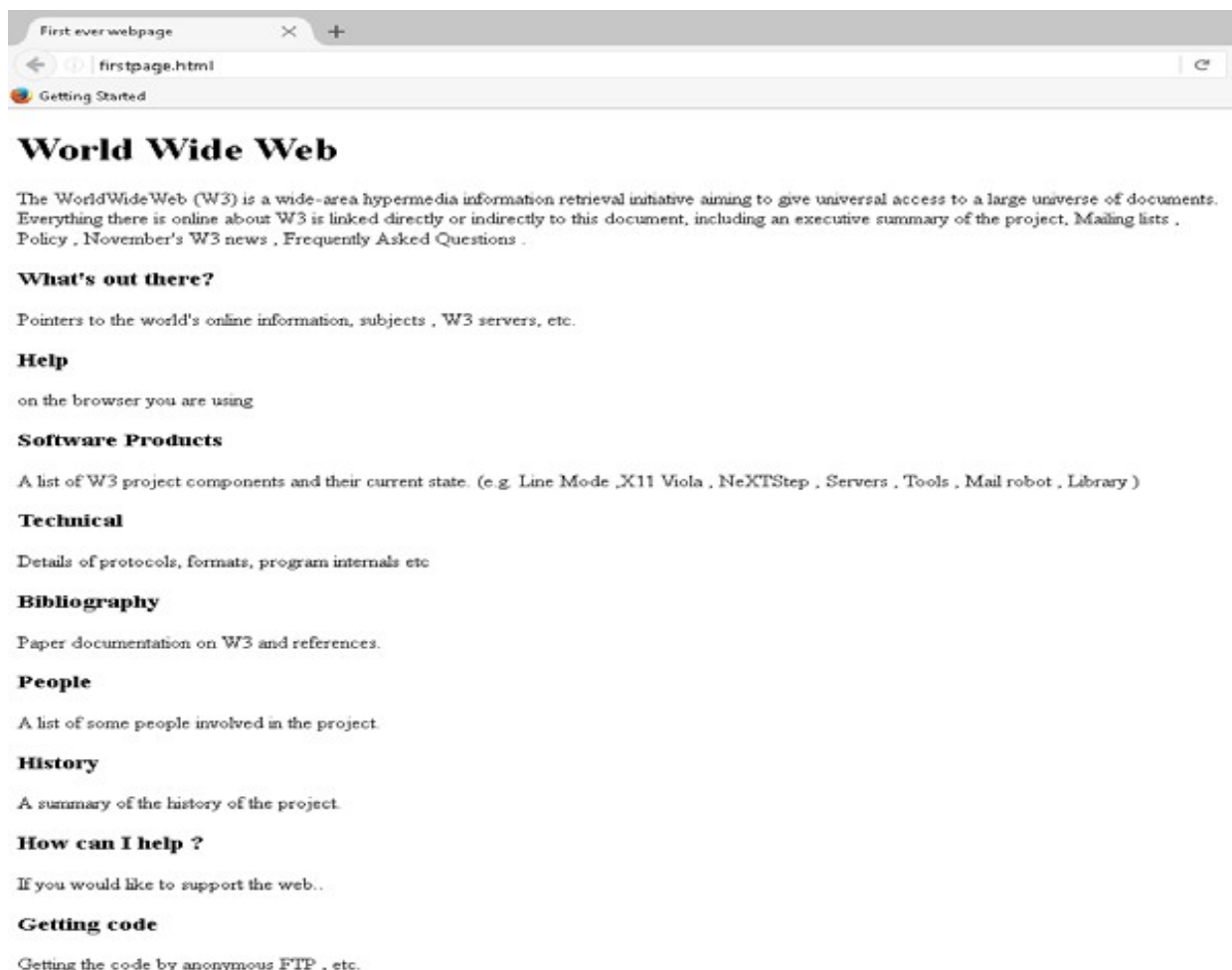Bibliography Paper documentation on W3 and references.
People A list of some people involved in the project.
History A summary of the history of the project.
How can I help ? If you would like to support the web..
Getting code Getting the code by anonymous FTP , etc.

First ever webpage   ✕   +
← → firstpage.html   ⟳
Getting Started

World Wide Web

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Pointers to the world's online information, subjects , W3 servers, etc.

Help

on the browser you are using

Software Products

A list of W3 project components and their current state. (e.g. Line Mode ,X11 Viola , NeXTStep , Servers , Tools , Mail robot , Library)

Technical

Details of protocols, formats, program internals etc

Bibliography

Paper documentation on W3 and references.

People

A list of some people involved in the project.

History

A summary of the history of the project.

How can I help ?

If you would like to support the web..

Getting code

Getting the code by anonymous FTP , etc.

Your finished web page should look similar to above

Exercise 2 - Lists, Links and Tags

Recreate the page shown below using what was covered this week. Raw text is provided underneath to copy and paste into your HTML document. The list items under the headings "HTML", "Tim Berners Lee" and "Browser Stats 2016" should link to the appropriate sites and should open in a separate tab in a browser. Your finished page should be similar to the page shown below.

Popular Websites related to HTML and the World Wide Web

HTML

- W3Schools
- HTML Dog
- HTML5 Test

Tim Berners Lee

- Tim Berners Lee - Wikipedia
- Tim Berners Lee - Official Biography
- Tim Berners Lee - Ted Talk

Browser Stats 2016

- Browser Stats W3Schools
- Wikipedia - The Browser Wars
- The True Story of the Internet: Browser Wars - YouTube

Future directions for the World Wide Web

Having summarized the origins of the Web, and its current state, we now look at some possible directions in which developments could take it in the coming years. One can separate these into three long term goals. The first involves the improvement of the infrastructure, to provide a more functional, robust, efficient and available service. The second is to enhance the web as a means of communication and interaction between people. The third is to allow the web, apart form being a space browseable by humans, to contain rich data in a form understandable by machines.

Infrastructure

When the web was designed, the fact that anyone could start a server, and it could run happily on the Internet without regard to registration with any central authority or with the number of other HTTP servers which others might be running was seen as a key property, which enabled it to "scale". Today, such scaling is not enough. The numbers of clients is so great that the need is for a server to be able to operate more or less independently of the number of clients.

Another cause for evolution is the fact that business is now relying on the Web to the extend that outages of servers or network are not considered acceptable. One would prefer an adaptive system which would configure itself so as to best use the resources available to the various communities to optimize the quality of service perceived. This is not a simple problem.

It includes the problems of:

i. categorizing documents and users so as to be able to treat them in groups;
ii. anticipating high usage of groups of documents by groups of users;
iii. deciding on optimal placement of copies of data for rapid access;
iv. an algorithm for finding the cheapest or nearest copy, given a URL;
v. Resolution of these problems must occur within a context in which different areas of the infrastructure are funded through different bodies with different priorities and policies.

These are some of the long term concerns about the infrastructure, the basic architecture of the web. In the shorter term, protocol designers are increasing the efficiency of HTTP communication, particularly for the case of a user whose performance limiting item is a telephone modem.

Note: The text for this exercise is provided on the next page.

Text for exercise 2 – You can copy and paste this text into your coding environment:

HTML

W3Schools

HTML5 Dog

HTML5 Test

Tim Berners Lee

Tim Berners Lee – Wikipedia

Tim Berners Lee – Official Biography

Tim Berners Lee – Ted Talk

Browser Stats 2018

Browser Stats – W3Schools

Wikipedia.org – The Browser Wars

The True Story of the Internet Browser Wars (You Tube)

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Exercise 3 - Recreate a website containing the table as shown below

In this exercise we will work with tables. The presentation of tables is often performed with CSS, which we will come to in a few weeks' time. For the time being, however, we will only use HTML.

TV LISTINGS					
	7.30pm	8.00pm	8.30pm	9.00pm	9.30pm
Monday	The Sunday Movie			News	
Tuesday	TV Show	The Monday Movie		News	Talk Show
Wednesday	TV Show	Cops			Current Affaris
Wednesday	TV Show				Talk Show

Recreate the table above using appropriate tags and attributes.

IMPORTANT: If you have any queries on this lab exercise, please post any queries in the discussion forum. A solution to the exercise will be provided next Thursday.