# https://encrypted-tbn3.google.com/images?q=tbn:ANd9GcTLAZpQzmzAPnXtyNCq1onsRE4y0bvoWlMvd3YA8Lt715oLXEJxWAIT 5302 Intro Web Study Guide Module 1: Web Overview Prepared by Jack G. Zheng, Spring 2015

## Overview and learning outcomes

In this very first module, we need to have an overall understanding of the World Wide Web architecture and how different pieces work together. We are focusing on the most basic web architecture and will leave recent developments and variations in other advanced web courses.

Learner outcomes:

1. Articulate the differences between the Web and the Internet
2. Explain the basic web architecture and each of its components, and how they work together:
   1. Client/server
   2. Web server
   3. Web client (browser)
   4. HTTP (request and response)
   5. HTML
   6. Domain
   7. URL
3. Know the concepts of dynamic web page and driving technologies at the client side and server side.

## Reading list

1. Core readings:
   1. Introduction to Web as a Platform:
      1. read the article at <http://msdn.microsoft.com/library/bb330932.aspx>
      2. or watch the video: <https://www.youtube.com/watch?v=3XgEuqKSRIw> – also downloadable from [http://wm.microsoft.com/ms/msdn/vstudio/express/jan2007update/WebPlatform/Introduction to Web as a Platform.wmv](http://wm.microsoft.com/ms/msdn/vstudio/express/jan2007update/WebPlatform/Introduction%20to%20Web%20as%20a%20Platform.wmv)
2. Lecture notes: Web-Intro.pdf (please get more information by following the references in this document, if needed)
3. Addition readings and resources
   1. <http://www.slideshare.net/randyconnolly/chapter01-presentation-16514220> - the first chapter of the textbook Fundamentals of Web Development.
   2. 25 years of the World Wide Web: Tim Berners-Lee explains how it all began: <http://www.independent.co.uk/life-style/gadgets-and-tech/news/25-years-of-the-world-wide-web-the-inventor-of-the-web-tim-bernerslee-explains-how-it-all-began-9185040.html>
   3. The Web at 25 in the U.S.: <http://www.pewinternet.org/2014/02/27/the-web-at-25-in-the-u-s/>
   4. Web Designers vs. Web Developers: <http://sixrevisions.com/infographics/web-designers-vs-web-developers-infographic/>

## Task list

1. Please complete required readings first.
2. Self-review question (no submission):
   1. Explain the process of a complete cycle of webpage request and response.
   2. What are the examples of server side web technologies? Client side?
   3. What is the difference between web design and web development?
3. Research and discuss (please post it to module 1 discussion board)
   1. Ask a non-IT person (your friend, child, spouse, or parent) how web is different from the Internet. Quote the most interesting part of their answers and then critique it based on what you have learned in this module.
   2. (Optional) Briefly introduce one Internet application other than the WWW. Describe what it is and what it is used for. Please read earlier replies before posting your answer to avoid repeating what others have already posted.
4. Assessment: complete Quiz 1. Be sure you complete all readings and review lecture notes first.