# https://encrypted-tbn3.google.com/images?q=tbn:ANd9GcTLAZpQzmzAPnXtyNCq1onsRE4y0bvoWlMvd3YA8Lt715oLXEJxWAIT 5302 Intro Web Study Guide Module 2: HTML Prepared by Jack G. Zheng, Spring 2015

## Overview and learning outcomes

HTML is the basic content format of webpages and we will start the development from here. Upon the completion of this module, you will be able to:

1. Know the basic document structure of HTML web pages: doctype, html, head, body
2. Know the basic use of the following markups and create HTML document and content with them:
   1. Text <p>, <br />, <h1>, etc.
   2. Link <a>
   3. Image <img>
   4. List <ol>, <ul>
   5. Table <table>, <tr>, <td>
3. Know the basic use of the following HTML form elements and create HTML forms with them:
   1. <form> and its attributes “method”, “action” and “target”
   2. Textbox <input type=”text”>, <textarea>
   3. Checkbox <input type=”checkbox”>
   4. Radio button <input type=”radio”>
   5. Dropdown list <select>
   6. Button <submit>, <reset>
4. Be able to use Notepad++ or other text editor for HTML document development, and use browsers to check if the display and markups are correct.

## Reading list

1. Tutorial videos. Please follow the video to create example files.
   1. Develop your first HTML page: <http://www.youtube.com/watch?v=_Ib5SjUYePc>
   2. Add more pages and link them: <http://www.youtube.com/watch?v=9H9eXIe-Ai8>
2. Core online learning materials: CodeAcademy tutorials are more detailed and interactive, and they generally take longer time to complete. W3Schools tutorials are more complete, concise and efficient. Please try both of them and select a tutorial that fits to your learning style and technical foundation. Follow the tutorial to complete the hands-on examples. Choose one option below:
   1. <http://www.w3schools.com/html> - read the following sections (menu on the right). Please practice “Try it yourself” (online examples provided by W3Schools) as your read these webpages.
      1. “HTML Tutorial”: from “Home” to “Blocks”, except “HTML CSS”.
      2. “HTML Forms”: all sections. You may skip some content focusing on HTML 5.
      3. If you have more time and interest, read the rest sections.
   2. <http://www.codecademy.com/tracks/web> - complete lesson 1 to 3 (Introduction to HTML and HTML Structure). If you choose this option, please also complete the “HTML Forms” tutorial in option a.
3. Examples and references
   1. Check the quick reference when you need it: <http://www.w3schools.com/tags/default.asp>
   2. More HTML examples “html-examples.zip” are provided by the instructor.
   3. More W3schools examples: <http://www.w3schools.com/html/html_examples.asp>
4. Additional readings and resources
   1. <http://www.dailygyan.com/2009/04/13-great-free-text-editors-for.html>
   2. <http://www.slideshare.net/randyconnolly/html-an-introductin>

## Task list

1. Exercise (no submission; practice until you feel comfortable and confident to complete the assignment)
   1. Complete the HTML exercises in readings. Summarize all mistakes you have made during the exercise.
   2. Practice the “Try it yourself” w3schools examples <http://www.w3schools.com/html/html_examples.asp> if needed.
2. Self-assessment
   1. <http://w3schools.com/html/html_quiz.asp>: complete this quiz for yourself.
3. Assignment: complete assignment #1
4. Assessment: n/a