# https://encrypted-tbn3.google.com/images?q=tbn:ANd9GcTLAZpQzmzAPnXtyNCq1onsRE4y0bvoWlMvd3YA8Lt715oLXEJxWAIT 5443 Web Technologies Study Guide **Module 2: HTML**

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## 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 webpages: doctype, html, head, body, tag, attribute
2. Know the basic use of the following markups (and their attributes), and create HTML document and content with them:
   1. Text <p>, <br />, <h1>, etc.
   2. Link <a>
   3. Image <img>
   4. List <ol>, <ul>, <li>
   5. Table <table>, <tr>, <td>
3. Use W3C HTML validator to validate your HTML.
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.

This module is related to course level learning outcomes 2.

## Task list

1. Follow the core online learning materials listed in learning materials to learn and practice basic HTML. The first video tutorial will get you some quick start but do complete the readings for more details.
2. Lab exercise: follow the HTML lab guide (no submission; practice until you feel comfortable and confident to complete the project)
3. Self-assessment (complete this quiz for yourself): <https://www.w3schools.com/html/html_quiz.asp>
4. Complete Quiz 1. Please refer to the quiz guide about all quizzes. Check exact dates in D2L.

## Learning materials

1. Core online learning materials:
   1. General introduction focusing on concepts
      1. <https://developer.mozilla.org/en-US/docs/Learn/HTML/Introduction_to_HTML/Getting_started> - a very good getting-started reading. Use the rest as optional readings and references.
      2. <http://itwebtutorials.mga.edu/html/chp1/html-tags-and-css-styles.aspx> - also covers some code validation.
   2. <https://www.w3schools.com/html> - w3schools tutorials are simple, concise, and direct to the point, with plenty of live exercises. Read the following sections (menu on the left). Follow the tutorial and complete the hands-on examples (“Try it yourself”) as your read these webpages.
      1. “HTML5 Tutorial”: from “Home” to “Blocks”, except “HTML Styles” and “HTML CSS”;
      2. File paths: <https://www.w3schools.com/html/html_filepaths.asp>
   3. Video tutorial. Need some live demo besides readings?
      1. <https://www.youtube.com/watch?v=bupWPZdXqIA> (this is an absolute basic quick start)
      2. <https://www.youtube.com/playlist?list=PLr6-GrHUlVf_ZNmuQSXdS197Oyr1L9sPB>: video 1 to 9
2. HTML lab guide: “lab2-HTML.docx”
3. Examples and references
   1. Some basic HTML examples “html-examples.zip” are provided by the instructor.
   2. More W3schools examples: <http://www.w3schools.com/html/html_examples.asp>
   3. Check the quick reference when you need it: <http://www.w3schools.com/tags/default.asp>
4. Additional learning resources
   1. Mozilla Learning: <https://developer.mozilla.org/en-US/docs/Learn/HTML>
   2. <http://itwebtutorials.mga.edu/html/>
   3. <http://html.net/tutorials/html/>
   4. Videos
      1. <https://www.youtube.com/playlist?list=PL0eyrZgxdwhwNC5ppZo_dYGVjerQY3xYU>
      2. <https://www.youtube.com/playlist?list=PL41lfR-6DnOruqMacTfff1zrEcqtmm7Fv>