

**Advanced Web Development and Web Scraping**  
**Spring 2020**  
**Assignment #1**

1. Complete the HTML5 and HTML Forms tutorials (from HTML Introduction through HTML Input Attributes), at: <https://www.w3schools.com/html/default.asp>  
Note: you can skip the HTML XHTML section.
2. Complete the following Exercises from w3schools.com (show your Instructor during class):
  - a. HTML Attributes, Exercises 3 and 5
  - b. HTML Headings, Exercises 1 and 2
  - c. HTML Styles, Exercises 3 and 5
  - d. HTML Comments, Exercise 2
  - e. HTML CSS, Exercises 1,4, and 6
3. Create a web page that satisfies the following requirements:
  - a. The web page includes a table of items (*products* or *services* – see below) that has 5 columns and at least 4 rows. The columns contain the following:
    - i. a check box,
    - ii. a numeric input field (restricted to the numbers 1 – 10)
    - iii. the name of the product,
    - iv. a link to a web site that provides more information.
  - b. Suggestions for this table include a list of movies, a list of songs, a list of travel destinations, or a list of consumer goods, such as shoes.
  - c. Your table should use have single border around each cell, which is accomplished by using an *internal* style (including the <style> ... </style> section in the header) as in the following example:  
[https://www.w3schools.com/html/tryit.asp?filename=tryhtml\\_table\\_collapse](https://www.w3schools.com/html/tryit.asp?filename=tryhtml_table_collapse)
  - d. The first row should include a table header.
  - e. Below the table are two buttons for allowing the user to submit an order or reset their selections (though right now, nothing will happen when the user clicks on the buttons)
  - f. Above the table is a brief description of the page that contains a heading and a paragraph.
  - g. The web page has an appropriate title (specified in the title element).