**Instructional Days:** 15-16

**Topic Description:** In this lesson a variety of page layout styles are introduced.

**Objectives:**

The student will be able to:

* Use table, row, and column tagging in an html page.
* Add css styling to an html table.
* Use ordered and unordered list tagging in an html page.
* Add css styling to an html list.
* Use grid elements in css div placement.
* Add a menu to an html page.
* Create a web page that includes layout styles.

**Outline of the Lesson:**

* Explanation of how to create an html table (15 minutes)
* Examples of data that lends itself to being presented in a table (5 minutes)
* Explanation of how to create html ordered and unordered lists and how to add styling to list elements. (15 minutes)
* Examples of data that lends itself to being presented in a list. (5 minutes)
* Preliminary css positioning and opacity exercise (15 minutes)
* Explanation of how to create a menu (15 minutes)
* Creation of a web page that includes layout styles (40 minutes)

**Student Activities:**

* Participate in the discussion of creating an html table.
* View examples of data that lends itself to being presented in a table.
* Participate in the discussion of creating ordered and unordered lists.
  + If this unit is online, you can have students discuss the subject on a message board.
* View examples of data that lends itself to being presented in a list.
* Complete css positioning exercise.
* Participate in the discussion of menu creation.
* Create a web page that includes layout styles.

**Teaching/Learning Strategies:**

* Use the tutorial (<http://www.georgebenainous.com/web/index.php?id=4&page=3>—tables) to demonstrate how to create a table, how to add rows and columns and how to add css styling to table, row, and column elements. Have students view the example code and predict the results prior to viewing.
* Demonstrate examples of data that lends itself to being presented in a table
* Use the tutorial ([http://www.georgebenainous.com/web](http://www.georgebenainous.com/web%20) html/css—styled lists) to demonstrate how to create ordered and unordered lists and how to add css styling to list elements. Have students view the example code and predict the results prior to viewing.
* Demonstrate examples of data that lends itself to being presented in a list.
  + Remind students of the data they worked with in units 1 and 2. Ask questions about how that might have been displayed on a web page. Point out that they may want to keep this in mind for the final project in Unit 5.
* Use the tutorial ([http://www.georgebenainous.com/web](http://www.georgebenainous.com/web%20) html/css—page layout) to demonstrate div positioning using css. Have students view the example code and predict the results prior to viewing.
* Use the tutorial ([http://www.georgebenainous.com/web](http://www.georgebenainous.com/web%20) html/css—menus) to demonstrate how to create a menu. Have students view the example code and predict the results prior to viewing.
* Have students create a web page which serves as an advertisement for a product of their choice.
  + Explain project requirements.
    - The page must make use of at least one of the page layout methods discussed.
    - Circulate room and help students with projects.
      * If you are running this unit online, correspond with students over e-mail or on the message board to see if they have any problems.

**Resources:**

* [http://www.georgebenainous.com/web](http://www.georgebenainous.com/web%20) (html/css—tables, styled lists, page layout, menus) html and css tutorials
* <http://www.w3schools.com/html/>
* <http://www.w3schools.com/css/default.asp>