COMP 215

LAB 01

INTRODUCTION TO HTML

This lab will introduce you to the fundamentals of web technologies. We will start by creating small web-based applications that use **HTML**, **CSS**, and **JavaScript**. You (hopefully) have installed your chosen text/code editor for this course. If not, I prefer Visual Studio Code. There are other options that are available, but that one will suffice for our purposes.

If you want to know which the best tool to use is, it's the one that you actually will

ONLINE REFERENCES:

- ➢ W3Schools Main Webpage

- ➢ W3Schools Standards

- ➢ HTML5, JavaScript, and jQuery 24-Hour Trainer – **(Chapters 1 – 4)**

DISCUSSION QUESTIONS:

1) What is **HTML?** What is **HTML5?**

2) What are HTML **elements** and **tags**?

3) What are **element attributes?**

4) What is the **alt attribute** of an image tag used for?

5) Why is it a good idea to include **height & width attributes** for an image?

EXERCISE 1: BASIC PAGE STRUCTURE

Using **Visual Studio Code**, you will create a web page that displays the following:

(alternative editor options are available on Brightspace)

- ➢ Your name in the **title bar**
- ➢ "Welcome" in an **h1 element** at the top of the page
- ➢ "This is my first web page" in a **paragraph element** at the bottom.

EXERCISE 2: STYLE ATTRIBUTES

Use **your** text/code editor to create a web page that displays a headline for a recent sporting event. Use size 30pt red Verdana font, and a paragraph about the sporting event with blue times new roman text. The body of the page should be light grey.

Use the following style attributes:

- ✦ style="font-family:verdana;color:red;font-size:30px;"
- ✦ style="background-color:lightgrey;"
- ✦ style="font-family:times;color:blue;"

EXERCISE 3: IMAGES

Save an image associated with your sporting event from the previous exercise. In **Visual Studio Code**, use an <img> element to display the image on the page from the previous exercise.

EXERCISE 4: HYPERLINKS

Create a new version of your page that contains the full news story & include 1 additional image. You will also create a

link more...

hyperlink to the detail page.

You may find the HTML link syntax on W3Schools, or you may infer it from this example:

More...

EXERCISE 5: TABLES

REFERENCE:

➢ Lesson 3 Lists and Tables HTML5, JavaScript, and jQuery 24-Hour Trainer, by Dane Cameron 2015.

Using your chosen text/code editor, create a web page that displays the following tables:

EXERCISE **5A:** TABLES

Cell 1	Cell 2
Cell 3	Cell 4
Cell 5	Cell 6

EXERCISE **5B:** TABLES

Cell 1	Cell 2	Cell 4
Cell 4		Cell 5
Cell 6		Cell 7

EXERCISE **5C:** TABLES

Cell 1	
Cell 2	
Cell 3	Cell 4

EXERCISE 6: LISTS

Using your chosen code/text editor, create the following lists. You may append these lists to your previous table application, or you may create a new one.

EXERCISE 6A: LISTS

- Item 1
- Item 2
- Item 3

EXERCISE 6B: LISTS

1. Item 1
2. Item 2
   a. Item 2.1
   b. Item 2.2
3. Item 3

EXERCISE 7: REFORMATTING THE NEWS PAGE

Use a table to reformat your earlier sports news page so it displays similarly to the following example:

Headline/Title	Picture
Story/Article	

EXERCISE 8: HOME PAGE

Create a web page called default.html that will contain links to all of your course assignments:

Your Name – *Use an <h1> element & style attributes to change the font*	
An **image** that defines who you are in a nutshell	A **saying or quotation in italics** that defines your personal philosophy
	A **bulleted list of** links to all the exercises completed for this course

Examples are provided for reference & general guidance only. Any creative choices you make are certainly encouraged! This information is your starting point for the course. Have fun & let's see where you can take it!

END OF LAB 01