Learning Guide Unit 3

Site:	University of the People
Course:	CS 2205 Web Programming 1 - AY2021-T5
Book:	Learning Guide Unit 3
Printed by:	Nadine Lynch
Date:	Wednesday, 18 August 2021, 8:49 PM

Description

Learning Guide Unit 3

Table of contents

Overview

Unit 3: Advanced HTML

Topics:

- Using HTML tags
- Viewing and modifying page source code

Learning Objectives:

By the end of this Unit, you will be able to:

1. Demonstrate ability to use HTML tags to create a web page
2. Demonstrate ability to view and modify HTML source code

Tasks:

- Peer-Assess Unit 2 Assignment
- Read the Learning Guide and Reading Assignments
- Participate in the Discussion Forum (Post, Comment and Rate)
- Complete and submit Unit 3 Assignment
- Make entries to the Learning Journal
- Take the Self-Quiz
- Graded Quiz

Introduction

In this unit you will continue to learn about HTML. You will use Codecademy system to acquire hands-on practice with HTML. While many technologies make up the current Internet systems, HTML continues to be the scaffolding that all web pages and web systems are built on. It is important to be able to view the HTML on a page and understand what the tags mean. Often you have to insert new code in already existing pages, so as you see HTML tags you should also start putting together in your mind what the browser will render.
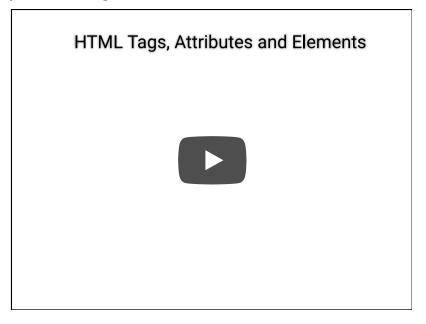
Reading Assignment

Study the material of the links provided that cover the topics of the second unit.

Your reading assignment for this week w3schools.com.

- w3schools. (n.d.). *HTML Tutorial*. Retrieved from https://www.w3schools.com/html/default.asp
  - Complete the HTML tutorial and the quiz

Video Resources

Morris, J. (2018, July 30). *HTML tags, attributes and elements* [Video]. YouTube.

LearnCode.academy. (2013, October 21). *Web development tutorial for beginners (#1) - How to build webpages with HTML, CSS, Javascript*. YouTube.

Discussion Assignment

Our discussion questions are: "What is Social Media" and "How is social media influencing web applications and development?" Include in your discussion three of your favorite sites including what it is that you like or dislike about them. Your sites can be within the realm of social media or from sites that are somehow integrated into social media.

Programming Assignment

1. Create an HTML document that displays the numbers 1 - 10, each number being a different color.
2. Create an HTML document that displays the squares of the numbers 1 - 10. Each number should be on a separate line, next to it the number 2 superscripted, an equal sign and the result. (Example: $10^2 = 100$)
3. Create an HTML document that displays two lists with any information you want. One list should be an ordered list, the other list should be an unordered list
4. Create an HTML document that displays two addresses in the same format used on the front of envelopes (senders address in top left corner, receivers address in the center). Like the following

Dilbert H.

1234 Anim Street

P.O. Box 22222

Someone A. Person

5555 Street Avenue

Metrpolitan, Metropolis 11111

5. Create a page with a link at the top of it that when clicked will jump all the way to the bottom of the page. At the bottom of the page there should be a link to jump back to the top of the page.
6. Create links to four different pages on four different websites that should all open in a new window
7. Display five different images. Skip two lines between each image. Each image should have a title
8. Display an image that has a border of size 2, a width of 200, and a height of 200.
9. Display an image that when clicked will link to itself and will display the image in the browser by itself
10. Display an image that when clicked will link to a search engine of your choice (should be opened in a new window)

Pick 5 corporations and hunt down their current stock prices. Place them in a neatly arranged table with their name, symbol, last price, 52wk high, 52wk low and PE ratio. The end result should look like the following. Notice that he first column is aligned left and the rest are centered.

My tech stock picks

NAME	SYMBOL	CURRENT	52WK HI	52WK LO	P/E RATIO
Microsoft	MSFT	86-3/8	119-15/16	75-1/2	56.09
Cisco Systems	CSCO	72-1/8	82	24-13/16	400.69
America Online	AOL	63	95-13/16	38-15/32	350.00
Qwest Communications	Q	44-7/16	66	25-3/4	74.06
Dell Computers	DELL	53-59/64	59-11/16	31-3/8	86.97

Learning Journal

Learning Journal Instructions

Why do it?

Maintaining a journal serves several purposes:

1. A means of communication, conversation (e.g., between material and yourself, yourself and instructors).

2. Provides regular feedback between you and the instructors and helps to match expectations.

3. Platform for synthesis of knowledge and ideas

4. Help develop critical thinking

5. Helps to elicit topics of interest, challenging topics that need improvement, etc.

What to write?

First write a brief summary of the contents of a lecture, lab activity, group discussion or reading material. Then reflect upon these activities. Record your own thoughts, ideas, responses and reactions to any of the above activities. Make notes about concepts, questions you have, and any confusion that may arise. Use the journal to explore possible solutions to problems being raised in class or alternative activities to the ones presented in class. Record new insights and problem solving strategies realized during discussions with fellow students and instructors. The journal reflects your own thoughts and ideas. Be as original and critical (constructive) as you can.

Some additional ideas:

Describe any feedback you received or any specific interactions you had.

Discuss how they were helpful Describe your feelings and attitudes What surprised me or caused me to wonder?

What happened that felt particularly challenging? Why was it challenging to me?

What skills and knowledge do I recognize that I am gaining?

What am I realizing about myself as a learner?

In what ways am I able to apply the ideas and concepts gained to my own experience?

What not to do:

Do not copy and paste any material from the discussion forum, your own assignment, or any other source. The entries in the journal must be your own words.

When do I use the journal?

You are expected to use the journal for each week of the course.

How will it be graded?

Each weekly journal must be at least 300 words long. Please use proper grammar and keep your writing on the class topic. Deductions from a full credit on this assignment would be taken if you copy and paste content. As long as you write down your own reflection about the learning activities, deductions will not be taken. You will receive a single grade for each week and the grades will count toward your final grade in the course.

Self-Quiz

The Self-Quiz gives you an opportunity to self-assess your knowledge of what you have learned so far.

The results of the Self-Quiz do not count towards your final grade, but the quiz is an important part of the University's learning process and it is expected that you will take it to ensure understanding of the materials presented. Reviewing and analyzing your results will help you perform better on future Graded Quizzes and the Final Exam.

Please access the Self-Quiz on the main course homepage; it will be listed inside the Unit.

Graded Quiz

The Graded Quiz will test your knowledge of all the materials learned thus far. The results of the quiz will count towards your final grade.

Please access the Graded Quiz on the main course homepage; it will be listed inside the Unit. After you click on it, the quiz's introduction will inform you of any time or attempt limits in place.

Good luck!

Checklist

Peer-Assess Unit 2 Assignment

Read the Learning Guide and Reading Assignments

Participate in the Discussion Forum (Post, Comment and Rate)

Complete and submit Unit 3 Assignment

Make entries to the Learning Journal

Take the Self-Quiz

Take the Graded Quiz