

Learning Guide Unit 4

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Description

Learning Guide Unit 4

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Overview

Unit 4: Cascading Styling Sheets: CSS

Topics:

- Inheritance and Cascade
 - Text styling
 - CSS positioning
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Learning Objectives:

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

1. Understand the role of CSS.
 2. Demonstrate the ability to use basic CSS.
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Tasks:

- Peer-Assess Unit 3 Assignment
- Read the Learning Guide and Reading Assignments
- Participate in the Discussion Forum (Post, Comment and Rate)
- Complete and submit Unit 4 Assignment
- Take the Self-Quiz

Introduction

CSS stands for Cascading Style Sheets. Styles were added to HTML 4.0 and define how to display HTML elements. External Style Sheets are stored in separate CSS files from the HTML files, while embedded CSS commands can be included in a `<style>` section of the file or right inside of the HTML tags. Style sheets are used to improve the flexibility of HTML and to give designers more control over the pages. An HTML page can have multiple CSS styles sheets, which means that it will display differently whether you're trying to print it or when you are viewing it on a mobile device. CSS provides tricks for HTML tags, which were not a part of the original HTML standard.

Reading Assignment

Complete the following tutorials:

- MDN Contributors. (2019, December 4). *CSS basics*.
http://www.w3.org/community/webed/wiki/CSS_basics
- MDN Contributors. (2020, January 9). *Inheritance and Cascade*.
<https://developer.mozilla.org/en-US/docs/Learn/CSS>
- MDN Contributors. (2021, April 23). *Fundamental text and font styling*. https://developer.mozilla.org/en-US/docs/Learn/CSS/Styling_text/Fundamentals
- MDN Contributors. (2020, February 20). *CSS Building Blocks*.
http://www.w3.org/community/webed/wiki/The_CSS_layout_model_-_boxes_borders_margins_padding

Video Resources

Khan Academy. (2014, November 25). *CSS inheritance | Intro to HTML/CSS: Making webpages | Computer Programming | Khan Academy* [Video]. YouTube.

CSS inheritance | Intro to HTML/CSS: ...



Discussion Assignment

What does it mean that the style sheets are cascading? What is the order of priority of CSS? List 5 things you can do with CSS, which cannot be done easily in HTML.

Programming Assignment

HTML & CSS Codecademy courses.

Complete the Learn HTML and Learn CSS courses in Codecademy.

- Learn HTML: <https://www.codecademy.com/learn/learn-html>
- Learn CSS: <https://www.codecademy.com/learn/learn-css>

Submit a screenshot showing 100% completion of the HTML & CSS courses. The screenshot may also say "Finished" instead of displaying the percentage.

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.

Checklist

Peer-Assess Unit 3 Assignment

Read the Learning Guide and Reading Assignments

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

Complete and submit Unit 4 Assignment

Take the Self-Quiz