

Learning Guide Unit 5

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Description

Learning Guide Unit 5

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Overview

Unit 5: JavaScript

Topics:

- Introduction to JavaScript
 - Making pages dynamic in the browser without server-side technologies
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Learning Objectives:

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

1. Demonstrate the ability to use JavaScript on an HTML page.
 2. Demonstrate the ability to edit external and embedded JavaScript code.
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Tasks:

- Peer-Assess Unit 4 Assignment
- Read the Learning Guide and Reading Assignments
- Participate in the Discussion Forum (Post, Comment and Rate)
- Complete and submit Unit 5 Assignment
- Make entries to the Learning Journal
- Take the Self-Quiz
- Take the Graded Quiz

Introduction

JavaScript is a browser scripting language. JavaScript is used in many web sites today. It can move HTML items to animate them on a page, it can validate form inputs, it can automate user clicks. JavaScript can detect what type of device is viewing the page and adjust HTML or CSS elements to display properly for the screen size or browser capabilities. It is a powerful tool for a web designer to provide a user-friendly web site.

Reading Assignment

Read from the following links:

- MDN Contributors. (2020, February 16). *Programming - the real basics!* Retrieved from http://www.w3.org/community/webbed/wiki/Programming_-_the_real_basics
- MDN Contributors. (2020, February 13). *What is JavaScript?* Retrieved from http://www.w3.org/community/webbed/wiki/What_can_you_do_with_JavaScript

Video Resources

Hack Reactor. (2016, March 11). *Say what? Introduction to Javascript* [Video][. YouTube.

Say What? Introduction to JavaScript



Discussion Assignment

What is a Content Management System (CMS)? Describe its characteristics, technology used, features, benefits, and be sure to list several important Content Management Systems.

Programming Assignment

In this assignment, you will practice JavaScript. Please login to Codecademy system and complete these two sections of the Introduction to JavaScript

course: <https://www.codecademy.com/learn/introduction-to-javascript>

1. Learn JavaScript: Introduction
2. Learn JavaScript: Functions

Submit the screenshot of the completion of the sections.

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

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Take the Self-Quiz

Take the Graded Quiz