

Final Project - JavaScript Tutorial

[Submit Assignment](#)**Due** Friday by 11:59pm**Points** 70**Submitting** a file upload**File Types** zip

Your final assignment is to turn the tables and teach others what you've learned about JavaScript. Pick a favorite JavaScript topic you learned from this course and present a lesson using a page or series of web pages that fully teaches someone who may be interested in learning about that topic, and create a mini website for your tutorial. You must make use of JavaScript code snippets to provide valid examples of proper syntax. Code examples with errors in them will not earn full credit. For your code snippets make use of this JavaScript-based syntax highlighter library: <https://highlightjs.org/download> (<https://highlightjs.org/download>)

You must link to a page or provide working examples of what your tutorial is teaching. For example, if your tutorial is on displaying user output with JavaScript code, your tutorial should provide working in-browser examples of displaying user output.

If your tutorial needs multiple pages to teach the concept provide a menu system that makes it easy to navigate to each page of the tutorial.

Use this website as a baseline for a good tutorial: [Mozilla's JavaScript Basics Tutorial](https://developer.mozilla.org/en-US/Learn/Getting_started_with_the_web/JavaScript_basics) (https://developer.mozilla.org/en-US/Learn/Getting_started_with_the_web/JavaScript_basics)

You will be graded based on the rubric below:

Final Tutorial Project Rubric

Criteria	Ratings				Pts
Page Design The design of the project with any graphical elements should mesh well as to not get in the way of the testability of the project. Font selection/design should be readable. Color selection should be pleasing to the eye.	20.0 pts Exceptional Good design practices. Just the right amount of steps beyond 'minimalist' that still communicates to the intended audience.	10.0 pts Needs Improvement Something in your design doesn't follow 'best practices' for web design. See instructor comments for specifics.	5.0 pts Bare Bones No design at all - just plain black and white and default fonts were used.	0.0 pts No Submission Did not turn in assignment or didn't meet an acceptable level of this criterion	20.0 pts
Deployment Ready All components necessary to fully test the project are present in the submitted zip file in order to test it for grading. The project is submitted as though it were ready to be published to the web and accessed by a user. No missing files!	20.0 pts Exceptional All files are present in the submission	10.0 pts Some missing files There are missing files that break the visual design of the submission	5.0 pts Too many missing files There are missing files that break the design AND functionality of the submission	0.0 pts No submission Did not turn in assignment or didn't meet an acceptable level of this criterion	20.0 pts
Code Commenting All lines of code are commented with JavaScript comment blocks or inline comments that describe what that line of code is accomplishing. If there are any lines of HTML code that make JavaScript code calls, there should be a line of HTML inline comment that describes what the line is for. It isn't necessary to comment the entire HTML block. Just JavaScript code.	15.0 pts Exceptional All necessary lines of code of the project are commented and explained thoroughly	8.0 pts Some missing comments Missing JavaScript comments in some locations (i.e. when HTML makes JavaScript calls)	6.0 pts Sloppy commenting Some code comments are present but is rather haphazard and sloppy.	0.0 pts No Submission/No Comments Did Not Submit Assignment or there were no code comments at all whatsoever in the project	15.0 pts

Criteria	Ratings				Pts
<p>Tutorial Interface</p> <p>Since this is a project of your own design, there is no pre-defined screen shot of what it should look like. Therefore, the user interface requirement of this project should show off your web usability skills. The menu requirement should be easily accessible and also readable by search engines and screen readers. No text images should be used for menu items. Any images in the design should have alt tags with descriptions. Mouse interactions should be smooth and produce consistent results across all major web browsers. The JavaScript tutorial portion of the site should make use of the code syntax highlighting library: https://highlightjs.org/</p>	<p>15.0 pts Exceptional</p> <p>The user interface should emphasize your design skills along with usability requirements. All clickable menu items should be indexable by search engines by using HTML/CSS instead of images with text for the individual selection items. Mouse interactions should be consistent and easy to initiate across all major web browsers. The JavaScript tutorial should make use of the code syntax highlighting library: https://highlightjs.org</p>	<p>8.0 pts Incomplete Interface</p> <p>User interface is observed to be clunky or difficult for search engines to index. Mouse interactions are difficult or are inconsistent. No syntax highlighting library used for JavaScript tutorial portion of site.</p>	<p>4.0 pts Poor Interface</p> <p>User interface is poorly implemented. This design should not be published to the web unless it's fixed first. No syntax highlighting library used for JavaScript tutorial portion of site.</p>	<p>0.0 pts No Submission</p> <p>Did not turn in assignment or didn't meet an acceptable level of this criterion</p>	15.0 pts
Total Points: 70.0					