

Learning Plan 1
Performance Assessment Task 3
Web Trends Project:
New Trend of Student Choice

Competencies: Analyze emerging web trends

Directions to Learners:

You will demonstrate one more trend that you have not already demonstrated.

This Trend must demonstrate your self-directed learning by innovation and initiative in the expansion of your skill base.

The choice of project topic focus is up to you!

Some possible ideas to consider can be drawn from the:

- Online_EWTT_WebTrends_ProjectChoice.ppt
- Web Trends Discussion board
- Web Trends Report Discussion board
- Your own Web Trends Report

The project must focus on something you have not done before, it is an opportunity to focus your attention and time on something you find intriguing and want to learn more about.

You will create a web page to add to your final project site that contains the required documentation for this project. There should be a link on that page to the demonstration of your project of choice if appropriate.

You will provide the required documentation as outlined on the Scoring Guide.
You will submit the URL to the required documentation in the Drop Box.

Scoring Guide: Grading Criteria

Criteria	Values
http://aallmann.com/trends/svg.html Innovation and expansion of skills are demonstrated in project. Documentation: Describe how this was innovative and went beyond your current skill level. Convince the reader of this! Remember the Scoring Rating Scales Key below!! My knowledge of SVG prior to this learning plan was primarily that SVG is a vector icon that is scalable. From my research, I have learned that it is so much more! The possibilities of designing and animating with SVG are enormous! I also learned what all of “those lines of numbers” are in HTML source code. I didn’t have the time to attempt to create an SVG in Illustrator, but I did create a demo where I demonstrated the difference between a PNG icon vs. an SVG icon when they are scaled up. In the past I’ve downloaded icons from Flaticon in PNG format. They were downloaded in the max size, and then I would have to resize them in Photoshop or CSS. I now will use SVG format and won’t have to be concerned about size. I tested an SVG heart icon which is placed at the bottom of the main content. I resized it to huge, and it scaled perfectly.	20 18 6 0

I came across an Envato tutorial on creating an animated loader icon with SVG. I pulled out parts of the Envato tutorial and presented it on the page as a second demo. It was explained well and wasn't very complicated. I thought it was fun and could be a starting point to creating our own.

Three online examples of SVG Animation are linked in the sidebar area of the page:

- Animated SVG Icons
- Yeti Pagination Animation
- Interactive Infographic

Additional information can be found in the Reflection section.

Project and code is 100% functional when viewed in at least one browser with page meeting web coding and design standards.

Documentation:

State the browser to be used to view your project. Describe the testing done. Describe how you incorporated web standards and design standards learned in your course of study into this project.

Browser: Chrome on Windows 7. (Also tested on iOS (iPad) and Android (Samsung Galaxy phone)).

Chrome Developer tools were utilized to view the page in Responsive mode and to check for console errors (none). Tested for responsiveness on amiresponsive.io and techsini.com/multi-mockup/. All links were tested and are functional. External links target a new page.

Web Standards

- HTML page validates without error or warning.
- CSS validates without error or warning.
- Meta Description is present.
- Meta Keywords are present.
- CSS is in an external file, except for one page-specific style.
- Proper heading structure is maintained.
- Image alt tags are present.
- External links have title tags.
- External links target a new page.
- Code is orderly and well-commented.
- Javascript files are placed directly above the closing body tag.

Design Standards

- Page layout is consistent with the previous project to maintain consistency.
- Page colors are consistent with the website.
- Heading styles and hierarchy are consistent with the website.
- Ample white space, margins and font size is maintained for readability.
- Text content is readable, understandable, and uses proper sentence structure.
- Navigation is functional. All links are working.
- Navbar is sticky.
- Animations are subtle and enhance the page's message.
- Page is mobile responsive.

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Reflection includes description of sources used, difficulties encountered, and skills gained.

Documentation:

Include a reflection statement that address all three areas listed in the criteria.

Reflection

Difficulties encountered and skills gained were primarily related to code. I had to troubleshoot several things:

A scroll-to-top button was added. It worked fine locally but was not displaying on the live site. I was able to fix this in CSS.

I have an SVG demo/tutorial on my project page that includes snips of code. These are inserted as images. I had difficulty figuring out how to make the code readable on the screen. After a ton of research, I added these snips of code as scrolled images so they remain full size. Now they are readable on desktop as well as mobile. I followed up by creating a customized scroll bar to make the code sections look nicer. I located a tutorial to help me do this because I wasn't familiar with all the components. Webkit browsers are the only ones that support a customized scroll bar. Firefox, Opera, and IE/Edge will display the default scrollbar.

Smooth scrolling was added utilizing a short Javascript snip from W3Schools.

Regarding page content, my main concern was to present material in a manner that is interesting and on a level from which we could all learn. Some areas of SVG can get very technical! I found a neat simple SVG loader tutorial late in the process, but I decided to add it to the project page anyway. It made the page rather long, but I think everyone will have fun with it!

I'm glad I selected this topic. It was a great learning experience. I hope the other students find it helpful, as well.

Anne Allmann

Resources

Page Development

https://www.w3schools.com/howto/howto_css_smooth_scroll.asp#section2

<https://www.w3.org/Style/Examples/007/color-bullets.en.html>

<https://stackoverflow.com/questions/27246689/align-list-items-with-custom-css-content-before-bullets>

<https://webdesign.tutsplus.com/tutorials/how-to-create-a-loader-icon-with-svg-animations--cms-31542>

https://www.quackit.com/html/codes/horizontal_scroll.cfm

<https://forum.webflow.com/t/custom-css-horizontal-scrollbar/45599/2>

Sidebar Animated SVG Demos

<https://tympanus.net/codrops/2013/02/06/interactive-infographic-with-svg-and-css-animations/>

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Emerging Web Technology and Trends (MPTC/152-117)

https://tympanus.net/Tutorials/InteractiveSVG/ https://tympanus.net/codrops/2013/11/05/animated-svg-icons-with-snap-svg/ https://tympanus.net/Development/AnimatedSVGIcons/ https://codepen.io/dsenneff/full/gdQJqo/ Informational Articles https://cssauthor.com/svg-tutorials/ https://www.sitepoint.com/add-svg-to-web-page/ https://www.todaysoftmag.com/article/1067/the-advantages-of-using-svg-scalable-vector-graphics http://svgtutorial.com/ https://watb.co.uk/5-reasons-you-should-be-using-svgs-over-pngs/ Other • Adobe Photoshop • Adobe Illustrator • Flaticons	
TOTAL:	35
Scoring Rating Scales Key: First Point Value = Criteria Fully Met: Exceeded Requirements Second Point Value = Criteria Met: Minimum Requirement Levels (no redo required) Third Point Value = Criteria needs improvement –redo required Fourth Point Value = Criteria not present, not met	

Core Abilities Scoring Guide

Criteria	Values	
Key: yes = 2 pts. no = 0 pts.		
Think Critically and Creatively: Learner synthesizes information from a variety of sources	yes	no
Communicate Clearly: Learner will apply standard rules of language structure including grammar, spelling and punctuation	yes	no
Learn Effectively: Learner shows initiative and is resourceful in finding supplemental learning materials and exam	yes	no
Act Responsibly: Learner completes tasks according to prescribed deadlines	yes	no