

Learning Plan 1
Performance Assessment 2
Web Trends
Mobile Development and TouchScreen Project

Competencies: Analyze emerging web trends

Assessment Instructions:

Given the study and practice work that you have completed on the topic of Mobile Development, you will take the work you have done and document it for submission as your mobile development project. Your project must meet the criteria on the Scoring Guide and you will place the documentation for the project on the Scoring Guide.

Remember that you have only just been introduced to this language and syntax and are not expected to be an expert or have command of the language and syntax at a high level!

Submit this assessment to the Dropbox.

Scoring Guide: Grading Criteria

Criteria	Values
You employ adaptive images. Documentation: <i>Describe the process you used to make enable this criterion.</i> I added images to both media screen and max width, and media max-width for large devices and small devices. I set the width for all at 100%.	5 4 2 0
You employ media queries for tablet size display. Documentation: <i>Clearly indicate what styling you have employed in order to meet this Criterion.</i> For the tablet I used @media(max-width: 820px)(min-width: 821px). I placed my navigation, image,.w3-bar, and footer elements under this.	5 4 2 0
You employ media queries for phone display. Documentation: <i>Describe what styling and steps you took to meet this criterion</i> For the phone I used @media(max-width: 479 &480px) and (min-width:480px). I placed my navigation, image, header 2, .w3-bar and footer elements under this.	5 4 2 0
You restructure navigation for different size displays. Documentation: <i>Describe what styling and steps you took to meet this criterion.</i> I used media queries that changed the colors, navigation bar, and included a search field for larger devices, and a magnifying glass for mobile devices.	5 4 2 0
You apply an application of a new mobile friendly technique. Documentation: <i>Through your research, apply one new mobile friendly technique to your project and you describe what you applied.</i>	5 4 2 0

I wasn't sure what to apply here, so I included a previous and next button on the bottom of all the devices. I put it above the footer, to make it easily accessible to tap with your thumb. I used a magnifying glass button for search on the mobile devices only. I located this feature centered in the footer, easily accessible for the thumb.

You apply the pixel width of the average index or thumb finger in your design.

Documentation: You provide documentation showing support of this criteria. This should include both screen captures and written explanation of application. You provide justification for the choices made.

5 4 2 0

I used 48 pixels for search the smaller devices and omitted the hover.

You demonstrate application of 3-4 major touchscreen design guidelines in your design.

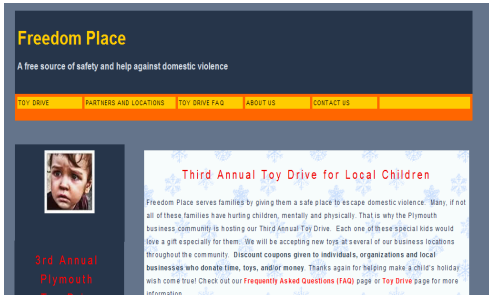
Documentation: You provide documentation showing support of this criteria. This should include both screen captures and written explanation of application. You provide justification for the choices made.

Three major touchscreen guidelines:

- Responsive Design. I have used the meta viewport tag and media queries for different size devices.
- Enlarge Touch Elements. I enlarged the navigation bar and search bar on the mobile devices to accommodate the average size finger.
- Dropped the hover function on the nav bar for the smaller devices because it does not exist on touchscreen devices.

5 4 2 0

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>A Responsive HTML Webpage</title>
  <meta charset="utf-8">
  <meta content="width=device-width, initial-scale=1.0"
    name="viewport">
```

<pre>▼ @media(max-width:820px) { ▼ form.example input { display: none; } } ▼ @media(max-width:479px) { ▼ nav, nav a, form.example input { display: none; } } ▼ @media(min-width:480px) { ▼ .mobile { display: none; } } ▼ @media(max-width: 820px), (hover:none) { ▼ .mobile { width: 100%; } } ▼ @media(min-width: 821px) { ▼ .mobile { display: none; } }</pre>				
Techniques employed are 100% functional in devices of choice. Documentation: <i>List the devices that you used to test the project</i> I used the W3C Markup Validation Service for the HTML and CSS code. I also used the Wave Accessibility checker.	5	4	2	0
You apply search engine optimized for page titles, meta tags, body text, headings, images, internal links, and navigation. Documentation: <i>Provide a description justifying how you have provided the best search engine friendly optimization that you can for your project.</i> I did add a title, meta viewport for responsive design, a meta description, and meta key words. I also reduced the size of my images and I used photoshop to optimize the photographs. I gave my images an alt tag.	5	4	2	0
Design elements such as typography, body text, headings, graphics, links and color are balanced, practical, and aesthetic in order to create unity and consistency resulting in a harmonious visual appearance applying standards of web design and development including HTML and CSS validation when applicable. Note: <i>This means that the every aspect of the page design has to be planned out and considered from a best practice perspective. Example: Typography, don't use 7 different font families. Best practices state 2-3. Best practices state that there should be a style design for the heading, for the text treatment, hyperlink states, etc. Also, consider all aspect of both visual and non visual design elements. Don't forget page titles, alt tags on images, title text on hyperlinks, meta tags, footers, semantic structure of the page through correct use of headings, etc.</i> Also: <i>This means that there has to be some design applied to the layout that doesn't just place one element after the other in a linear fashion straight down the page. You actually have to use CSS to position elements on the page. For example:</i> Linear and Not Acceptable >> >>>>>> Better design more acceptable. 	10	8	6	0

 Also: This means that all presentation styles are controlled by external CSS. This means that the page's entire layout is controlled by external CSS. This can be done in one or multiple external style sheets. This means that tables are not used for layout. Tables can be used for data display only.	
	Required
TOTAL:	55
Key: First Point Value = Criteria Fully Met Second Point Value = Criteria Present but minor errors exist (no redo required) Third Point Value = Criteria needs improvement –redo required Fourth Point Value = Criteria not present, not met Yes: Link is in place and functional. 5 points. No: Link is not in place and/or not functional. 0 points.	

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 Note: List your sources! Resources: URL: https://developer.mozilla.org/en-US/docs/Learn/CSS/CSS_layout/Responsive_Design URL: https://kinsta.com/blog/responsive-web-design/ URL: https://www.devwerkz.com/blog/7-tips-to-design-a-better-mobile-site-for-touchscreen-devices/ URL: https://webdevpuneet.com/how-to-remove-hover-on-touch-devices/#gsc.tab=0 URL: https://www.w3schools.com/w3css/w3css_buttons.asp URL: https://dev.to/ara225/simple-search-bar-design-286a MY Webpage Link URL: https://tracywitz.com/media/media.html	yes no

Reflection Statement:

I felt as though I may be a little rusty with my coding since I have been away from any type of HTML or CSS studies for about a year and half. But once I had an idea of what I wanted to do and how I wanted my page to look, I just simply researched the code and modified it to how I wanted it to look on my webpage. Media Queries in the beginning were very confusing to me, but they are making much more sense now. I did know about the 44px size for mobile devices from my class last year, but that seems to have increased to 48 pixels. I am much less frustrated because I now understand how to make things work. And if it isn't working, I now move on to a different strategy versus spending countless hours trying to make the impossible happen.

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

Note: Sources need to go beyond what was given in class!!

Act Responsibly:

Learner completes tasks according to prescribed deadlines

yes

no