

Learning Plan 1
Performance Assessment 2
Web Trends
Mobile Development 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
<u>Basic Layout Responsive Demo URL:</u> http://aallmann.com/mobile/ <u>Project URL:</u> http://aallmann.com/trends/mobile.html Mobile Site conversion targets configurable site elements. Documentation: Clearly indicate which elements you have targeted for conversion in your project. Header, navigation, main content, aside, footer, images, headings, text.	5 4 2 0
Media queries have been developed for mobile devices. Documentation: Clearly indicate which mobile devices you have developed media queries to target. Because there are so many devices and sizes in use today, breakpoints were targeted for content, not specific devices. This is what Google recommends. I initially created my main mobile breakpoint of max 768 px to include iPad portrait. I decided to change it to 991 px so larger tablets, such as Kindle Fire, are included. additional breakpoints of 460 px and 320 px were created to target phones. The slide out mobile menu has its own breakpoint of 450 px. I prefer a mobile hamburger menu icon as default for all screen sizes. It's clean and minimal, without a long listing of menu items. This is also a trend, and it's one that I like. I didn't implement it for this site because of demonstration purposes of original navigation vs. mobile navigation.	5 4 2 0
Mobile site employs adaptive images. Documentation: Describe the process you used to make enable this criterion. Since the demo images were very low resolution, the class <i>responsive</i> was assigned, and	5 4 2 0

max-width was set so the images wouldn't expand to fill the container.

```

10  /* Images */
11  .responsive {
12      max-width: 100%;
13      height: auto;
14  }

```

The max-width of the larger image (content section) was reduced to 80% at 700 px and smaller:

```

349  @media all and (max-width : 700px) {
350
351      .responsive {
352          max-width: 80%;
353      }
354  }
355

```

Styling for tablets have been implemented.

Documentation: Clearly indicate what styling you have employed in order to meet this criterion.

- Content, Aside, Footer to 100% so they stack.
- Padding adjusted on headings, text, images.
- Main navigation hidden.
- Mobile navigation (hamburger menu) displayed.
- Left-aligned footer & images, for consistency and appearance.

5 4 2 0

Navigation restructuring for different size displays have been done.

Documentation: Describe what styling and steps you took to meet this criterion.

The navigation collapses to mobile at 991 px, utilizing a white hamburger menu icon on the same red background. It is stacked beneath the main heading, like the main navigation. At 991 px, the visibility of the main navigation is hidden, and the mobile navigation is displayed. A slight transition was added to the navbar.

I initially made the navbar sticky, which worked great on desktop and Android, but there is a bug in iOS because of the fixed position. While troubleshooting, I read it is similar to the iOS bug with parallax background images. So, after all that work, I disabled it. I added a scroll to top button, which will (somewhat) suffice because the page is short.

5 4 2 0

Mobile site has been adapted for phone display.

Documentation: Describe what styling and steps you took to meet this criterion.

The mobile phones fall under the 991 px breakpoint. See tablet styling above.

In addition:

- Text and heading sizes were reduced for small phones, 340px and smaller.
- Mobile slide-out menu font size was modified.
- Fixed social icon bar is hidden at 460 px and smaller.

5 4 2 0

Mobile site has an application of a new mobile friendly technique applied. Note: Through your research, apply one new mobile friendly technique to your project - A slide-out mobile menu with transitions was added. It adjusts to the viewport size. - A social icons bar was added. It stays fixed on the left side while the page is scrolled	5 4 2 0
	Required
TOTAL:	35
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! These are the main resources I used: https://www.w3schools.com/howto/ Mobile Slide Out Menu Fixed Social Icons Bar General Info https://fontawesome.com/v4.7.0/ https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css Font Awesome Version 4.7 https://stackoverflow.com/ Javascript Snippet for Scroll to Top Troubleshooting Info https://www.w3schools.com/ Responsive Design Info General Info https://codepen.io/ Researched Scroll to Top and Mobile Menus Various other online resources were accessed while researching and troubleshooting. I did not document all of them.	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 Note: <i>Sources need to go beyond what was given in class!!</i>	yes	no
Act Responsibly: Learner completes tasks according to prescribed deadlines	yes	no