

Assignment 4: Mobile and Desktop

For this assignment, you will be creating a set of webpages that work both on desktop browsers and mobile browsers. You will need to create a total of three HTML files to represent an eCommerce homepage, category page, and individual product page.

Specific requirements

You will need to make your webpages work at a variety of widths. Your pages should be usable and look reasonable on sizes ranging from mobile (300-ish pixels wide) up to 1920 pixels wide. You are strongly encouraged to use media queries to adjust your CSS based on varying browser widths.

Home page

The home page of your eCommerce site should look like a store's home page. It should provide links for a few featured products as well as a catalog of the different categories available. All of the products can link to the same product page, and all of the categories can link to the same category page. You can also mock up fake links for things like logging in, viewing lists of saved items, or other things you'd expect on a store page.

Category page

The category page should give you a view of the products available in a given category. There should be at least 24 products available. Each product should have a name, a price, and a picture (repeating pictures is totally fine, and feel free to add more information if it would be appropriate). Each product should link to the same product page. There should be appropriate navigation on this page to allow a user to navigate to other categories on your site. Like the home page, feel free to add in additional things that would in a real site link to other pages but on this site don't do anything.

Product page

The product page should give you a detailed look at a single product. Each product should have at least three different pictures of it that can be viewed. **The user should see a thumbnail view of all of the pictures with one picture displayed in full detail. If the user clicks on a thumbnail, the large picture should change.** In addition to the pictures, each product should have a name, price, brief description, and rating. This page should suggest additional products that people often buy at the same time as the featured product. There should be a "user review" section where users can see feedback that others have left. There should be at least three comments left by other users.

Javascript and external libraries

You will need to use HTML, CSS, and Javascript on this assignment. You are welcome to use external libraries or resources to help with this project as long as they don't directly solve this assignment for you. You may want to look at CSS libraries such as [Bootstrap](#) or [others](#), or look at using tools such as [Sass](#) to make it easier to write CSS. If there's a javascript library that would make your life easier, feel

free to use it. You should *not* use graphical website builder programs, but just about anything else is fair game. If you're not sure, please feel free to ask.

Best practices

You should not include CSS directly in your HTML files, instead using [link](#) to bring in a `.css` file. Your pages should be well designed and should be both pleasant to look at and easy to use.

You are free to use multiple CSS files to make it easier to keep separate selectors for different pages.

Supported browsers

You should test your pages in Chrome and one other browser engine. In order to test your page on a mobile device, you will likely need to run an HTTP server on your computer (and then access your computer from a phone over wifi). There are HTTP servers [available on npm for this](#) as well as [included with Python 3](#) or [2](#).

Submission and due dates

This assignment is due November 18 by 11:59pm. You can work alone or in groups of two for this assignment. Submit all of the files necessary to view your assignment in a zip file to blackboard. It is okay to load libraries like Bootstrap or jQuery from a CDN link, and those don't need to be included in your submission zip. You should include a README file in your zip with your names, the browsers you tested, and a description of any sources that you used in the process of making this assignment.