



# Activity C1: Learning CSS Part 1

Re-submit Assignment

**Due** Jan 21 by 11:59pm      **Points** 5      **Submitting** a file upload

In this activity you will learn how to create CSS files, the documents used to style HTML. You will style a small website that you serve on your own web server.

## HTML & CSS Is Hard (But it doesn't have to be)

Begin by reading and practicing the code in the following chapters in the book [HTML & CSS Is Hard \(But it doesn't have to be\)](https://internetingishard.com/html-and-css/) (<https://internetingishard.com/html-and-css/>):

- Chapter 4: Hello, CSS. This will show you how to link to a CSS style sheet, how to apply styles to different HTML elements, the basics of fonts, and various ways to style text. Do NOT worry about page-specific or inline styles. These are not good practice and we won't use them.
- Chapter 5: CSS Box Model. This will show you how boxes are laid out in CSS, including padding, borders, and margins.
- Chapter 6: CSS Selectors. This will show you how to use class selectors, descendant selectors, pseudo-classes, and IDs.

As you practice the code in this section of the activity, write code in the editor of your choice on your local machine. I recommend [Atom](https://atom.io/) (<https://atom.io/>). (<https://www.gnu.org/software/emacs/download.html>)

When you want to test a code, start a local web server in the same directory where you have written your code.

For Python 3:

```
python -m http.server
```

For Python 2:

```
python -m SimpleHTTPServer
```

**Note, on Mac OS, you may need to use "python3" to get Python version 3.**

This Python command will start a web server that you can visit by going to "localhost:8000" in a web browser. Test your web page to be sure it is working.

## Inspector

The best way to debug CSS behavior that is not working as intended is to use the Inspector built into the browser. You can get to this in the Developer Tools, or simply right click on a web page and select "Inspect Element".

Use this functionality to inspect some of the CSS you wrote in the above exercises. Use the inspector to modify styles and to add styles.

Try misspelling the name of a style in your CSS file. Then use the Inspect Element functionality to "discover" your error.









## Your Website

Style the website you created for a previous activity using CSS:

1. Demonstrate the use of a variety of CSS features, including styling text, using the box model, and using both class and ID selectors.
2. Add a horizontal menu using this [W3Schools tutorial](https://www.w3schools.com/css/css_navbar.asp) ([https://www.w3schools.com/css/css\\_navbar.asp](https://www.w3schools.com/css/css_navbar.asp)). Modify the colors of the menu.

## Submission

Turn in a screenshot of your web page, showing it running on your Digital Ocean server.

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