



Activity D6: Learning HTML

Re-submit Assignment

Due Jan 14 by 11:59pm **Points** 5 **Submitting** a file upload

In this activity you will learn how to create HTML files, the documents used to display information on the web. You will create 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 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 1: Introduction. This will give you an understanding of how HTML, CSS, and JavaScript fit together. It shows you how to use the Atom editor.
- Chapter 2: Basic Web Pages. This will show you how to edit a file on your laptop and then see the result in the browser. You will learn the basic tags used in HTML files.
- Chapter 3: Links and Images. This will show you how to use links and images in a website.

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/>). Other choices include:

- [Sublime Text](https://www.sublimetext.com/3) (<https://www.sublimetext.com/3>) (<https://atom.io/>)
- [Brackets](http://brackets.io/) (<http://brackets.io/>)
- [Visual Studio Code](https://code.visualstudio.com/) (<https://code.visualstudio.com/>)
- [Vim](https://vim.sourceforge.io/download.php) (<https://vim.sourceforge.io/download.php>)
- [Emacs](https://www.gnu.org/software/emacs/download.html) (<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. You will need to use the command line and Python. If you don't have Python installed, then install it. Mac OS Should have it installed, and for Windows you can use the standard graphical installer. **On Windows, be sure to check the box in the installer that asks if you want to modify your path.**

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.

Your Website













Create a website that uses only HTML (even if you already know CSS) that includes 3 pages, all linking to each other. The pages should demonstrate your understanding of the following HTML:

- head
- body
- title
- p
- h1, h2
- ul
- ol
- em
- strong
- hr
- images
- links

Rather than writing these pages on your laptop, write them on your server in the /var/www/html directory. Use the vim editor. Visit your website in a browser to see the result.

Submission

Turn in three screenshots, showing the three pages of your website. Use more screenshots if you need to illustrate each of the items listed above.

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