

COMM 2555: Interactive Digital Communication / Spring 2018

Lab 1: Introduction to web pages and HTML

Goals

- Build a simple web page
- Practice basic HTML
- Upload your web page to a web server and view it on the Internet

Step 1. Setup

On your computer, create new folder, call it lab1_ YOUR-NAME (substitute YOUR-NAME with your name).

Open the folder, then on the folder menu click the "view" tab. Make sure the "show file extensions" checkbox is checked: we need to see those file extensions!

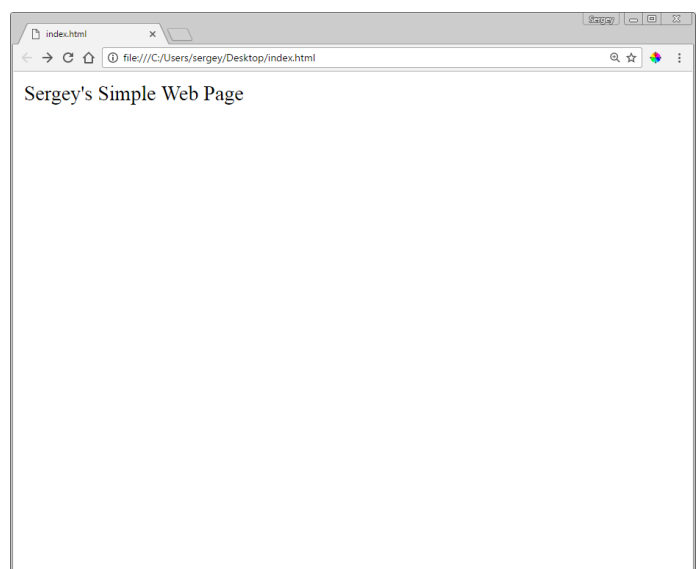
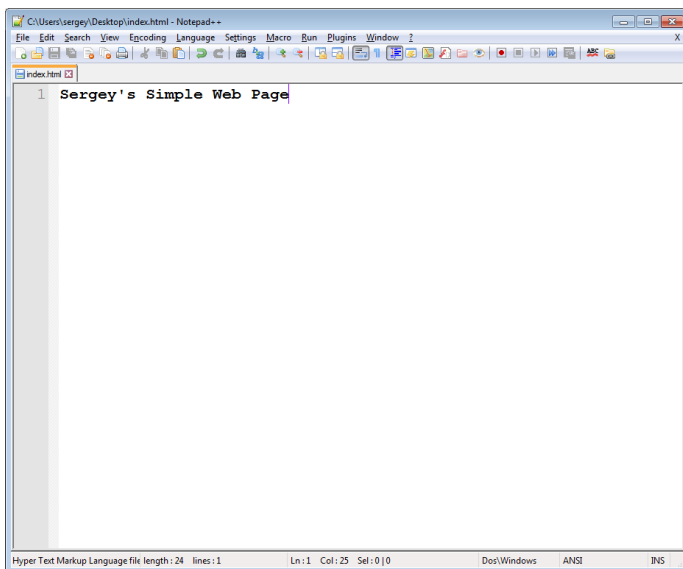
Now, in this folder, create a blank text file: **index.html** (right-click > new text document). Make sure your file extensions are displayed, otherwise you may accidentally create a file "index.html.txt" (with the ".txt" part hidden).

Important: Make sure your filename contains no spaces and is all lowercase.

Open your file in Notepad++ or TextEdit, or Brackets, or any other text editor of your choice.

Type in a heading for your web page. Any text will do for now (Hello, World! or anything else...)

Save the file and open it in Chrome or Firefox or Safari. Congratulations - you have a web page!



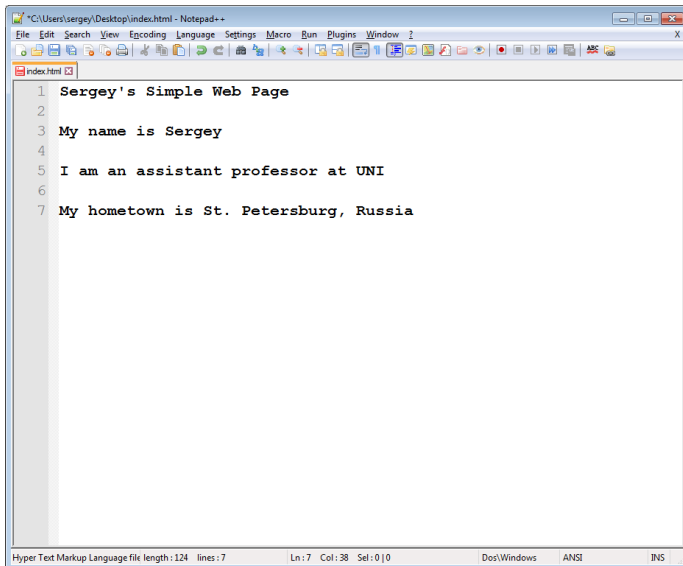
Step 2. Add your content

Go back to your text editor (leave the browser open - you can switch between the two windows using the Alt-Tab key combination (or Cmd-Tab)).

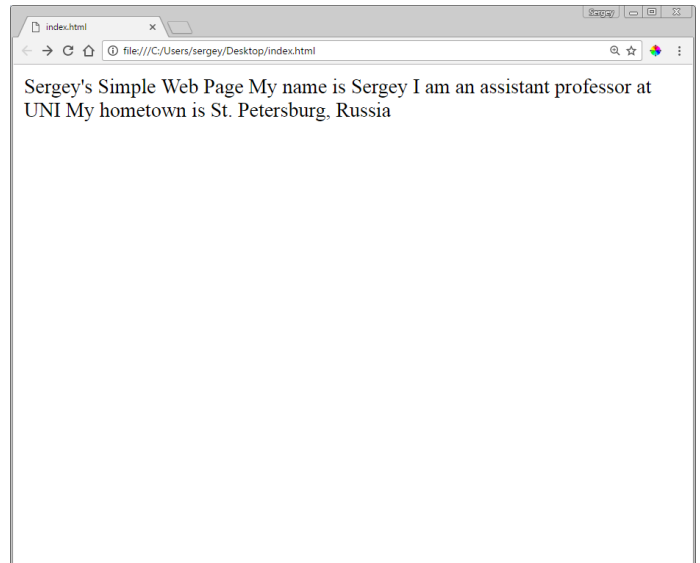
Let's add some very simple content + some code! Add the following:

your name (for example, Nevill Longbottom)
your major (for example, herbology)
your hometown (for example, Godric's Hollow)

Save your file, switch to your browser window and hit refresh. You will see your text displayed as one line; mine displayed like this:



```
1 Sergey's Simple Web Page
2
3 My name is Sergey
4
5 I am an assistant professor at UNI
6
7 My hometown is St. Petersburg, Russia
```



Let's add some markup!

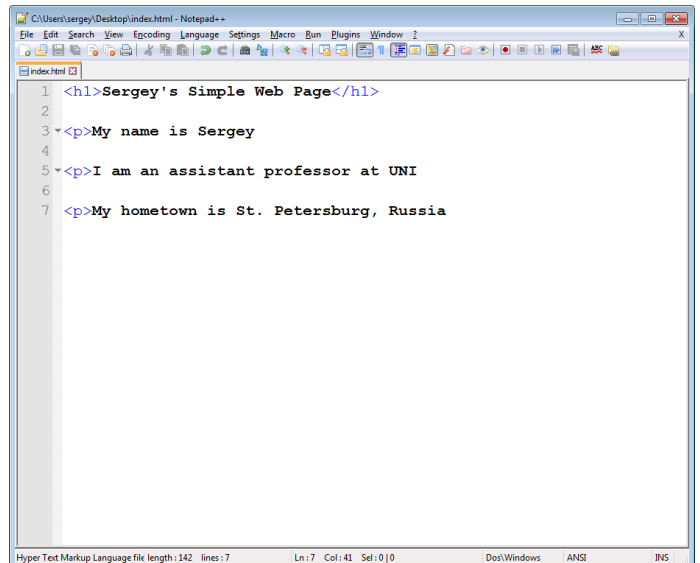
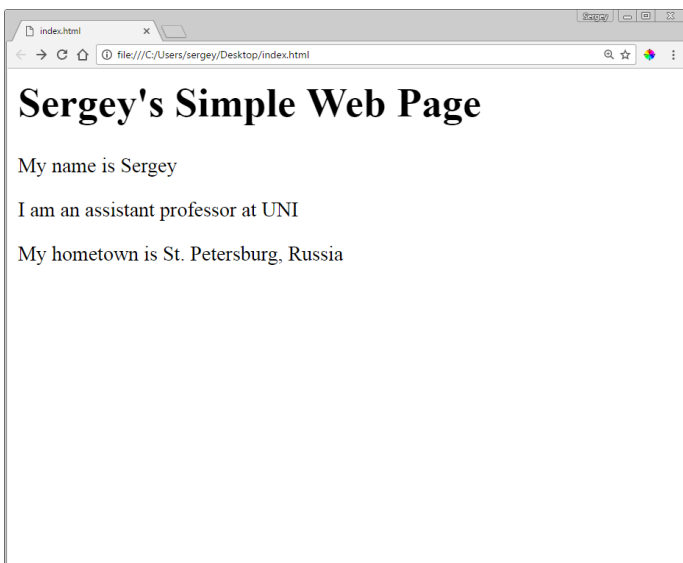
`<h1>Hello, World!</h1>`

`<p>I am Nevill Longbottom.`

`<p>I am a herbology major.`

`<p>My hometown is London.`

Save your file, switch to your browser window and hit refresh.



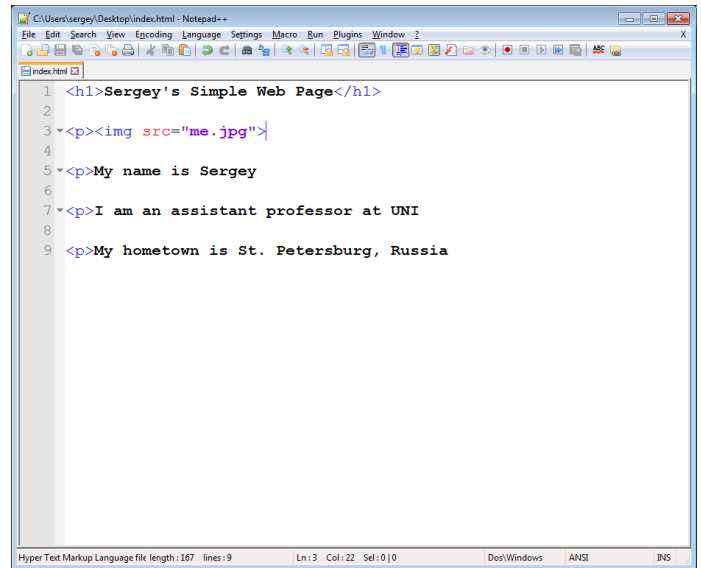
Time to add a picture of yourself! Take a selfie and email it to yourself, or just grab a photo of yourself from Facebook (or any other location). Your photo should be a .jpg file. Save it TO THE SAME FOLDER that contains your index.html. Rename your image so it is called me.jpg . Now your folder contains two files: index.html and me.jpg .

Add the following code after your heading:

```

```

Save your file, switch to your browser window and hit refresh.



Step 3. Publish your page to the Internet

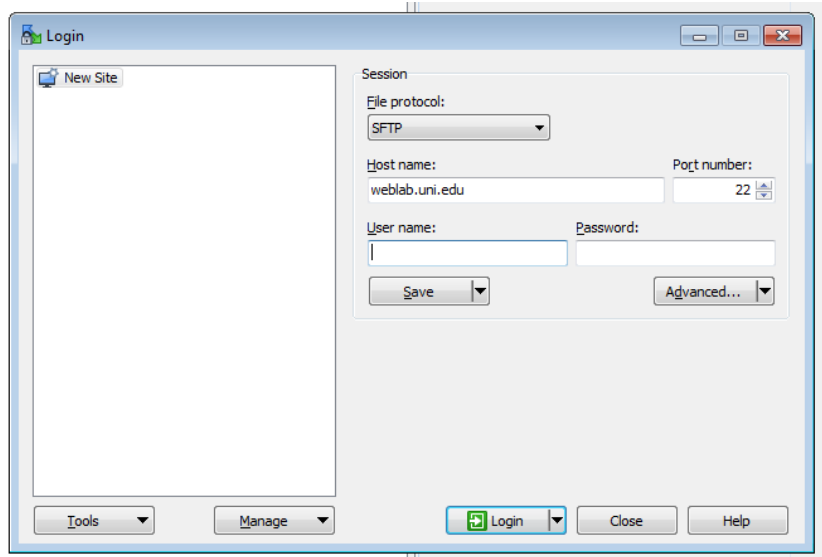
To view your web page online, you need to upload your files to a web server - for which you need a special program. We recommend using WinSCP (for Windows) or Cyberduck (for Macs). I'll use WinSCP as an example; configuration settings are the same for any such program.

Launch WinSCP. Fill out the following:

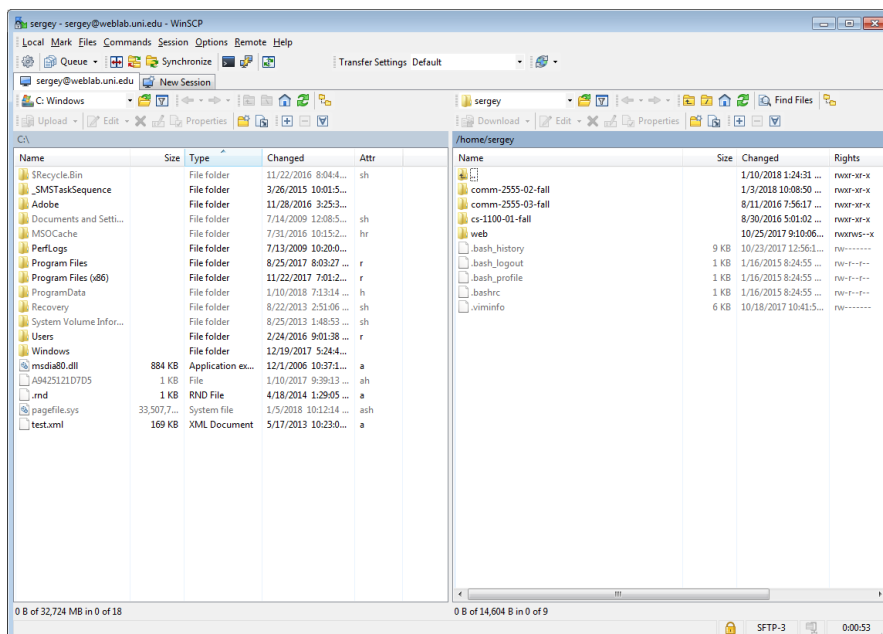
host name: **weblab.uni.edu**

username + password:

(your UNI username)



Once you have connected, you'll see the following (more or less):



- The left part of the screen is your local computer.
- The right side of the screen is the remote server. **Don't mix them up!**
- To upload a file from your computer to the server, simply drag and drop the file icon to the server
- To download a file to your computer from the server, drag and drop the file from the server to your computer
- Make sure you are **in the right directories** on both, your computer and the server!

Home vs Web directory

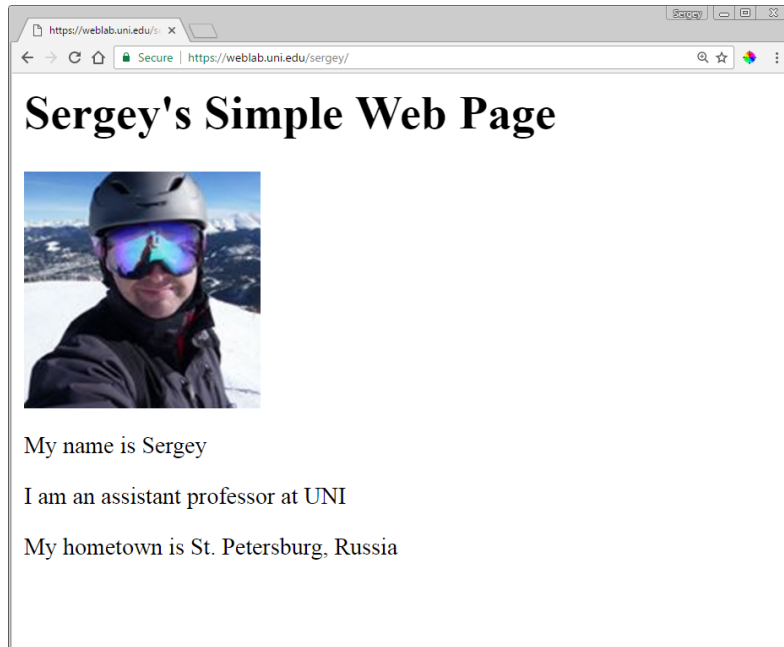
- When you log into weblab.uni.edu you will be placed in your home directory (for example, /home/johnsnow).
- Files created in your home directory are private and only accessible by you (and your instructor).
- You will notice that your home directory contains a sub-directory called web. **This is where you should place files** that you would like to be accessible from your web url (<http://weblab.uni.edu/johnsnow>).

Example: /home/johnsnow/web/index.html is publicly viewable at <http://weblab.uni.edu/johnsnow/index.html> or just <http://weblab.uni.edu/johnsnow>

Upload your index.html file and your me.jpg file into the web directory on the server. (upload just the 2 files - NOT the folder they are in!)

Open your browser and navigate to this address: **weblab.uni.edu/your-username**

Congratulations - you are online!



Submit your work

Make a zip file out of your folder: right-click the folder, then choose the send to compressed file option. Now you should have a file called lab1_your-name.zip . Submit this file to eLearning:

<https://bb9.uni.edu> > log in with CatID > our course > Course Content > Labs > Lab 1

Congratulations, you're done!