



## Lab 8: Getting On The Web

### **Goals**

Review file locations and the FTP tools. Post a Web page with your Creative Assignment in it.

### **Inputs**

You need a digital photo of yourself. Find one online; save to your desktop.

### **Posting A Web Page**

UW gives you your own personal Web space so you can have a Web page. If you turned on “Web services” back in Lab 02, you’re set to go. If not, you need to set up “Web services” here:

<http://www.washington.edu/lst/help/web/intro/uwservices>

Today, you will post a UW Web page. The page you create will have a specific name

<http://students.washington.edu/YOURUWNETID/mycode/show.html>

which you must use so we can find you!

### **Posting Processing Programs**

Processing is set up to display your programs on the WWW. To do that, you build a Web page (find it with this assignment), and in page give the names of your .pde files. That’s all. It is very slick.

Here are the steps.

- 1) Using Firefox click on the **starter** link in the calendar entry for the today’s lab.
- 2) Save the page to the desktop. Notice what you have:
  - a. **show.html** file
  - b. A folder called **show\_files** containing the file, **person.jpg**.
- 3) Move the **show.html** file to its own folder, called **mycode**. Put your own photo in there, too.
- 4) Also, transfer the file **processing-1.4.1.min.js** from the calendar page to your **mycode** folder. This is what does the actual “processing”.
- 5) Find the program **notepad** (or better, **notepad++**) on your computer. Open the file **show.html** using **notepad**.
- 6) Looking at the file (below) you should be able to find several parts by comparing the Web page as it is displayed in the browser, and the text that created the page in **notepad**:
  - a. The heading, “Hello, World!”
  - b. The paragraphs of text

- c. The image (`show_files/person.jpg`) file; needs to refer simply to your photo, as in `myphoto.jpg`.
  - d. The H3 head and the CANVAS tag following, which mentions `.pde` files.
- 7) Modify the files using `notepad++` to change (c) to refer to your own picture, and (d) so it references each of your four `.pde` files created as part of the creativity assignments (9 & 10); of course you will need four copies of the (d) code. Make the headings explain what the user is to do. (*Change any of the text, as you wish.*)
  - 8) Put the `.pde` files in the `mycode` directory, too. Include any fonts that you've used. (Notice, in Processing you needed a data folder for the fonts; the Web version doesn't need that folder. Fonts go in the same folder as the `.pde` file.)
  - 9) Using the file transfer information you've learned, move the whole `mycode` folder to your UW Web space. Check list: `show.html`, your photo, 4 `.pde` files, and the `processing-1.4.1` file.
  - 10) Finally, test it all by reference to the address given above. Try out your apps!

The screenshot shows a web browser window titled "My Processing HQ". The address bar displays the file path: `file:///Users/lawrencesnyder/Desktop/zzz/hello.html`. The page content includes:

- A heading: **Hello, World!**
- A yellow stick figure icon.
- Text: "In the first few weeks of CSE120 I have become a Processing hacker. ('Programmer' is sooo old school!) Processing is a fun language, and one of my favorite examples is [here](#)."
- Text: "My programs are not as cool as a koi ... yet! I've only just started! Here are some programs I did for assignments. They're programs that are fun to look at, or maybe play with. Check 'em out!"
- A heading: **Don't Hum The Simpson's Theme Song ...**
- A bar chart with five bars of varying heights and colors (blue, green, orange, red, light blue).

Bar Index	Color	Height (Relative)
1	Blue	1.0
2	Green	2.0
3	Orange	1.0
4	Red	1.0
5	Light Blue	1.0

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
<head>
  <meta http-equiv="Content-Type" content="text/html; charset=utf-8"/>
  <title>My Processing HQ</title>
<script src="processing-1.4.1.min.js"></script>
</head>
<body style="background:#AAAAAA; color:#FFFFFF;">
  <h1> Hello, World! </h1>

  <!-- The photo file is specified in the next line -->
  

  <p>In the first few weeks of CSE120 I have become a Processing hacker.
    ('Programmer' is sooo old school!) Processing is a fun language, and
    one of my favorite examples is
    <a href="https://mylifeaquatic.herokuapp.com/"> here.</a></p>

  <p>My programs are not as cool as a koi ... yet! I've only just started!
    Here are some programs I did for assignments. They're programs
    that are fun to look at, or maybe play with. Check 'em out!</p>

  <!-- Reference .pde files here, following this format -->

  <br/><br/>
  <h3>Don't Hum The Simpson's Theme Song ...</h3>
  <canvas data-processing-sources="simpsons2.pde"></canvas>

  <br/><br/>
  <h3>Click the Mouse ... Draw A Snow Angel</h3>
  <canvas data-processing-sources="blueAngel.pde"></canvas>

</body>
</html>
```