

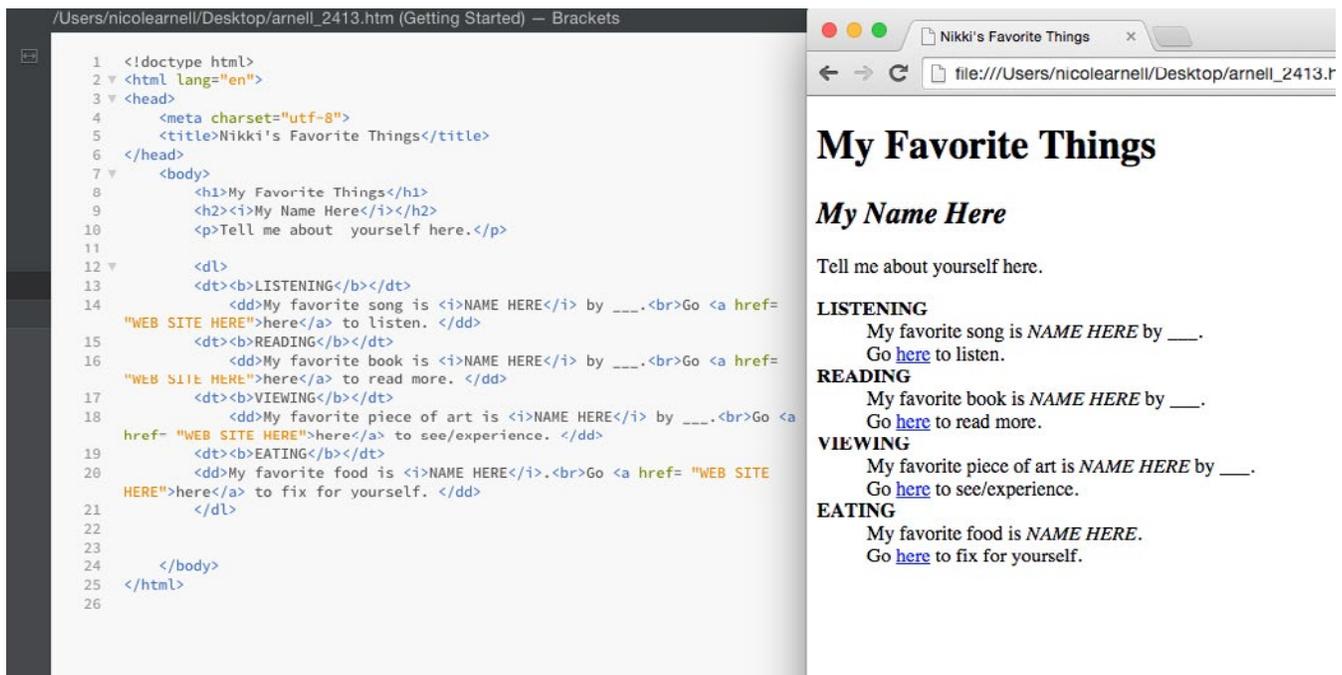
proj 3C | ambigram creation and merchandising:
basic html/css code (+ web template)

objectives Students are introduced to basic coding of a website using html and css. Though the site will not be live because a domain name has not been purchased, any web server can view the page. Even in 2015 many students are uncomfortable with writing their own code and the simple exercise aims to rectify this. Then students will have fun with a pre-made template and live site.

problem part 1 Do not be scared of writing code, though it seems like a foreign language at first. One incorrect word or space and it won't work. However, once one understands the basic structures and learns the verbiage, it becomes easier. **HTML** (the Hypertext Markup Language) and **CSS** (Cascading Style Sheets) are two of the core elements for building Web pages. HTML provides the structure of the page and CSS the (visual) layout for a variety of devices. The CSS file can be external or embedded. The simple page for this project will have an embedded CSS.

Writing code must first start with the correct tool. The text typed must be stripped of any style. Many online sources claim that TextEdit on a Mac will work, but this is completely false. One smart quote is all it takes to ruin code. **Brackets** is a dependable free software one can find online and is already loaded on to lab computers. Dreamweaver is also available, but is much more than what we need for the first part of this project 3C.

- steps**
- 1 Open Brackets. Create a new file. Save to desktop: **YOUR LAST NAME_2413.htm**.
 - 2 Type in the following code (see next page). Remember any tabs are simply for ease of reading. Code doesn't pay attention to any spaces unless it is told to do so via commands. (Below is an image of the code in Brackets next to its File : Live Preview.)



```

2 (cont.) <!doctype html>
<html lang="en">
<head>
  <meta charset="utf-8">
  <title>YOUR NAME's Favorite Things</title>
</head>
<body>

  <h1>My Favorite Things</h1>
  <p><i>Tell me about yourself here.</i></p>

  <dl>
    <dt><b>LISTENING</b></dt>
    <dd>My favorite song is <i>NAME HERE</i> by ___.<br>Go <a href= "WEB
SITE HERE">here</a> to listen. </dd>
    <dt><b>READING</b></dt>
    <dd>My favorite book is <i>NAME HERE</i> by ___.<br>Go <a href= "WEB
SITE HERE">here</a> to read more. </dd>
    <dt><b>VIEWING</b></dt>
    <dd>My favorite piece of art is <i>NAME HERE</i> by ___.<br>Go <a href=
"WEB SITE HERE">here</a> to see/experience. </dd>
    <dt><b>EATING</b></dt>
    <dd>My favorite food is <i>NAME HERE</i>.<br>Go <a href= "WEB SITE
HERE">here</a> to fix for yourself. </dd>
  </dl>

</body>
</html>

```

- <!doctype html> is saying the version of html it is. It is html 5. This is the standard to use now.
- It is in English ("en")
- Note that this text uses smart quotes and those do not work in html. (See how the quotes are directional.)When you use something like Brackets, it just uses "dumb" quotes. There is no style to them.
- The information between <body></body> is what is visible.
- h1 is a heading. p is a paragraph. b is bold and i is italics. dl are for a list. a href is a link, with the a as an anchor.
- Most all things must have an opening and closing tag, though html5 is much more forgiving than its predecessors. Examples of opening and closing tags are: <body></body> or <i></i>. Brackets helps you by adding the closing tag while you're typing.
- Anything between something like this: <!-- and --> would be invisible on the page and serves only ts a comment to someone reading the code. It is sloppy code to hide keywords in here.

This is html only with no embedded CSS (yet!).

Save your file. File : Live Preview to be sure the page loads and to see how it looks. You can do this as you code. Every time you resave, the live preview will update.

- 3 All of the words in red above are areas where student must fill in information.
- 4 Find web pages for your favorite music, book, art, and place. Copy-Paste the web site of each in place of WEB SITE HERE.html. Keep quotes intact (they will not be smart quotes in Brackets). Check in Live Preview to see your links go to your correct pages.
- 5 **NEXT, add some style with an embedded Cascading Style Sheet (CSS).** Add the following in the <head> between the </meta charset> and the <title>:

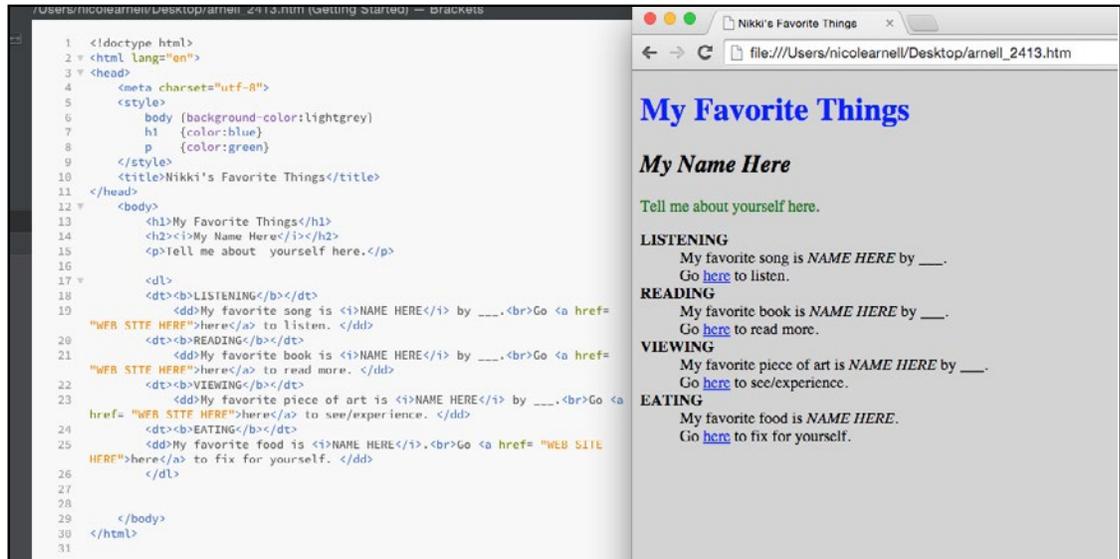
```

<style>
  body {background-color:lightgrey}
  h1 {color:blue}
  dt {color:green}
</style>

```

(remember to keep hitting Save so that your Live Preview updates!)

- 5 *Style sheets in CSS are made up of rules. Each rule has three parts:*
(cont.)
- the **selector** (body, h1, and dt in our code), which tells the browser which part of the document is affected by the rule;
 - the **property** (background-color and color), which specifies what aspect of the layout is being set;
 - and the **value** (lightgrey, blue, green), which gives the value for the style property.



- 6 Prof. Nikki will go around room and give everybody credit for this part when they finish.

Discuss:

- Pull file to any browser. Why would you do this?
- Why no images?
- Why can't we post this site as a link on our FB page for everyone to see?

problem part 2 Now have fun with a pre-made template using weebly.com.

- 1 First, we need to resize all of your ambigram merchandise images and save as a flattened PNG (JPG would also work for these photos).

Do the following for each of your 4 images:

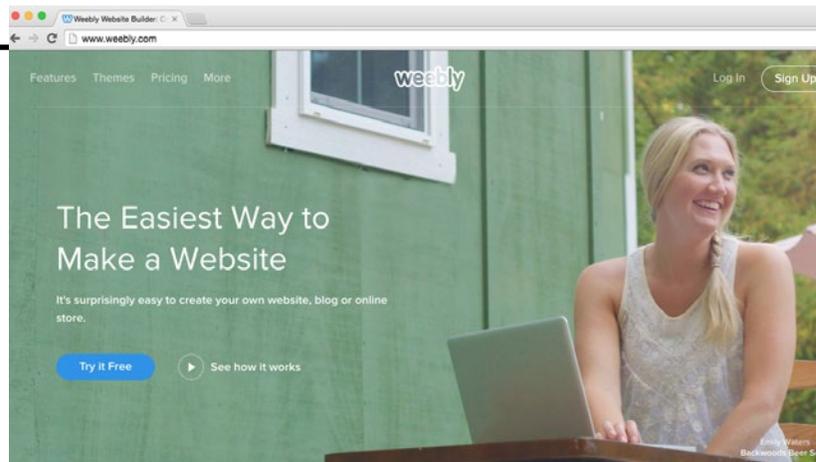
- Flatten the file.
- Change the color mode to RGB if it isn't already.
- Save the file as a PNG.
- Image : Image Size to the following. Keep dimensions constrained.

Sketchbook: **8** in L x **6** in W **100** DPI (or **800** pixels across)

Cards: **8** in L x **5.819** in W **100** DPI (or **800** pixels across)

TShirt: **8** in L x **5.165** in W **100** DPI (or **800** pixels across)

Button: **8** in L x **8** in W **100** DPI (or **800** pixels across)



- 2 Begin a new site on weebly.com.
Make the domain name Your Last Name_Ambigram.weebly.net (it should be free!!!
Don't pay money for this!)
This is a normal site (not a blog or a store).
- 3 Start playing around! You only need one page, but you can add more if you would like. You may write a headline and any copy or you may leave it greeked in ("Lorem Ipsum"). You MUST include all 4 of your images in some clear way on the site. This could be on 4 separate pages or all on one or whatever. Have fun!

NOTE: "Publishing" is like saving. Do it often. When it publishes, this means the site is live. However, no one knows it's out there unless you "tell" them.

- 4 When you have completed your page, copy-paste the home page and paste it as a Comment to my Post asking for it.

Friday will also be a work day for this project. It is due on Monday (see schedule) with any extra credit.