

Lab #3: HTML Cookbook

In this lab, you'll create an HTML page that is one chapter of a class cookbook. We'll compile them into a class website by the end of class.

Set up your HTML page

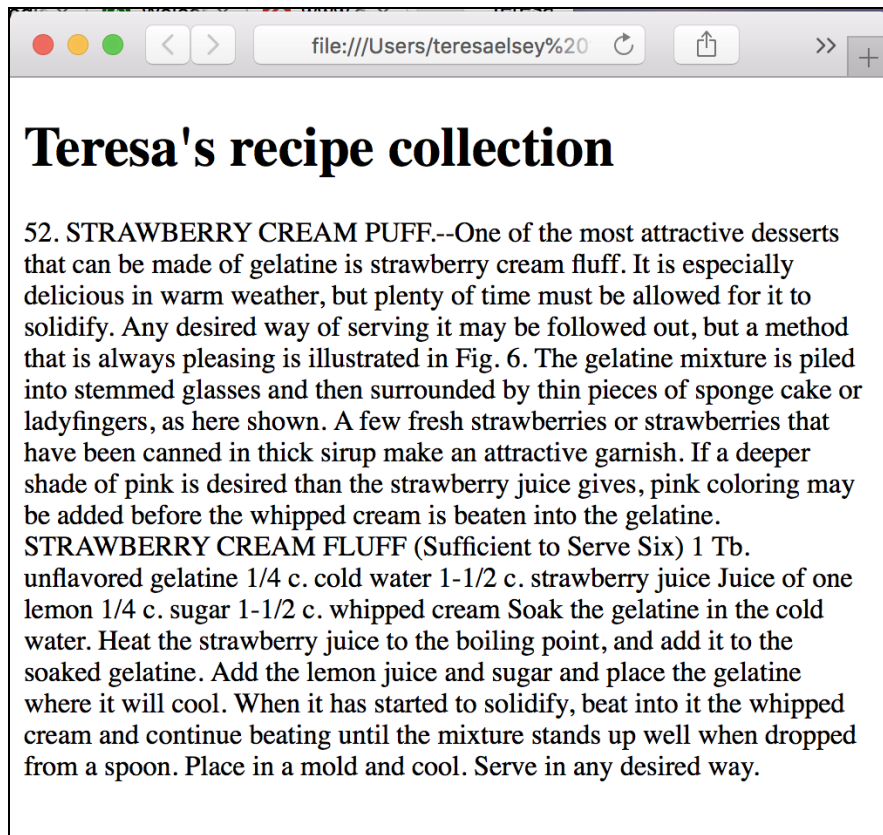
1. Create a folder on your desktop called "cookbook." You'll save all the files for your HTML page here.
2. Open Brackets and create a new document. Save it as YOURLASTNAME.html (that is, mine would be elsey.html) inside your "cookbook" folder.
3. Create the framework for your HTML page by adding the six essential elements you listed on page two of this week's reading guide. (Fill in something like "YOURNAME's recipe collection" for the title; you can change this later when you have your content added.)
4. Inside the <head>, after the <title> element, add the following line. (It won't do anything right now; it's for next week when we work with CSS!)

```
<link rel="stylesheet" href="style.css">
```
5. Open your HTML file with your web browser so you can check how things are looking. There's nothing in the body of your page yet, though!

Adding and marking up the content

1. Let's start the page with an <h1>. (Fill in whatever you want your page heading to be. It will probably be the same as your <title>.)
2. After the title, create a <main> element. All of your recipes will be inside the <main> element.
3. Head over to this public domain cookbook I randomly selected:
<http://www.gutenberg.org/cache/epub/9938/pg9938.txt>. (That link may take you to a Project Gutenberg intro/welcome page; if so, click on the "Plain Text UTF-8" link to see the

cookbook text.) Find a recipe you'd like to add to your cookbook and paste it into your HTML page. Your page should look something like this so far:



4. Let's add some markup to the recipe.

Make the recipe title an `<h2>`.

Make the headnote (introductory description) a `<p>`.

Make the second occurrence of the recipe title an `<h3>`.

Make the recipe yield (how many it serves) a `<p>`.

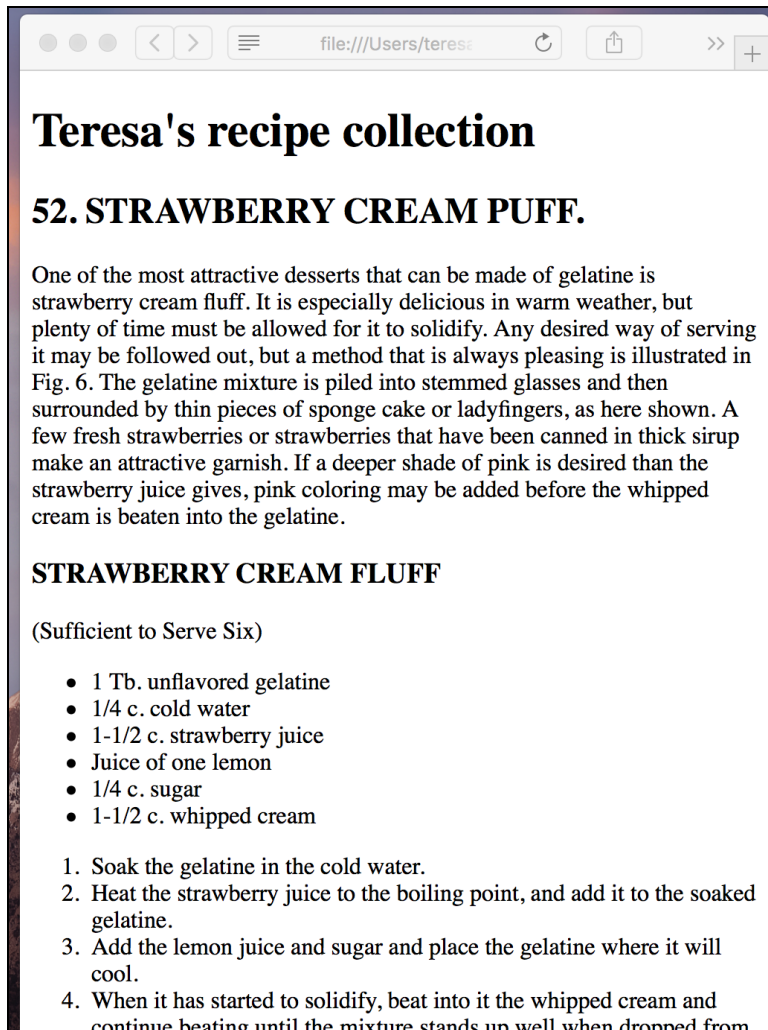
Make the ingredients into an unordered list.

Break the recipe directions into steps and make them a numbered (ordered) list.

If you have any other parts to your recipe, mark them up however you consider appropriate.

(You can also make some editorial adjustments, if you want to delete things like unnecessary numbers and dashes in your new context.)

Now your page will look more like this:



5. Add at least two more recipes to your page. Maybe a theme will emerge (mine was “recipes that include strawberries”).

6. For good semantics, add an <article> element around each individual recipe.

7. Add the name of your file (elsey.html) and the title of your page (“Teresa’s strawberry recipe collection”) to [this Google Doc](#).

Add navigation

1. First, add an “id” attribute to each of your recipe titles so you will be able to create hyperlinks to them. That will look something like this:

```
<h2 id="creampuff">STRAWBERRY CREAM PUFF</h2>
```

Remember that every id attribute on your page must be different. Id attributes have to start with a letter (they can contain numbers, but not as the first character) and cannot contain spaces.

2. Now create a <nav> element at the top of your document (after the <h1> but before the <main> element).

3. Inside the <nav> element, type the names of your recipes, separated by the vertical bar character (|).

4. Now add a hyperlink to each recipe name, linking to the beginning of that recipe. (If you need a reminder on how to do this, look for “document fragments” on [this page of the reading](#). Your navigation should look something like this and work to take you to the appropriate recipes.



(If it doesn't seem to take you to exactly the right place, it might just be because your page isn't very long; try making the browser window very small and see if that helps.)

5. Also add a “back to main page” link inside your <nav>, with the href attribute set to “index.html”. This link won't work, because you haven't created a page with that name yet.

Add an image

1. Let's add an image to your page. First, head to [Wikimedia Commons](#) or elsewhere to find a Creative Commons or public domain image to use.

2. Download the image and put it inside your “cookbook” folder, next to your HTML file. You may want to rename it to something short and simple (like “strawberry.jpg”).

3. Add an element in your document somewhere within the <main> element. Set the “src” attribute of your to the name of your image. That will look something like this:

```

```

Optional additions

If you get through the first parts of this assignment quickly, add some or all of the following.

1. The <aside> element is used for sidebars or other text that is not part of the main flow of content. (It can appear inside or outside your <main> element.) Create an <aside> on your page that contains some of the non-recipe content from the cookbook text. Give your aside a title, styled as an <h2>, and style the rest of the aside content appropriately. Add another image to illustrate your aside.

2. Add more images to your page—perhaps an illustration for each recipe?

3. Add more recipes to your page.

4. Add a footer element to the bottom of the page. Include your name and an <a> element that allows a reader to email you. (See [“Email links” in the reading.](#))

Upload your page to Box

1. Go to the [course Box folder](#). Find the “week #3” folder, and drag all the items in your “cookbook” folder (your HTML file and any images you used) into “week #3.” Don’t drag in your folder—just the individual files.