CS 101 -- Section 6 -- *HTML*

In class we've been talking about the Internet and how websites are built using HTML and CSS. In section, we are going to create a few simple web-pages using these techniques. Let's briefly review a few things from lecture...

Websites use the HTML format to structure the content of the site, thus `.html` is used as the extension for most website pages. The "home" or "main" page of a website is typically named `index.html`. The other pages of a website should be named to match the purpose of the webpage.

HTML has lots of features and capabilities. Many of these features we won't even have time to cover in this class. However, we talked about a few basic ways to display text, images, and even link to other pages in class. If you forgot how to do this, you might want to use the slides as a guide.

All HTML pages use the same basic "shell" as an outline of the content:

```
<!DOCTYPE html>
<html>
  <head>
    <title>test</title>
  </head>
  <body>
  </body>
</html>
```

The actual content (text, images, links, etc) go between **`<body>`** and **`</body>`**.

(1) In the first part of section, we'll get a basic website set up. When you work on a website, you generally want to keep your **`index.html`** file, as well as any other files, in their own folder on the computer. Open up finder, and navigate to your **`Desktop`**. From there, right-click, select "New Folder", and name it **`mySite`**.
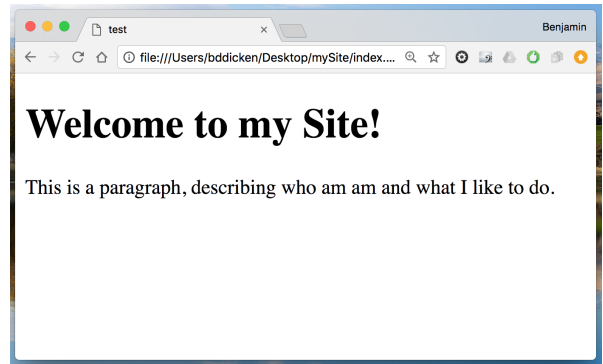
Next, open up a text editor (TextEdit, on Mac), change to plain-text mode, copy/paste the "shell" html page shown above, and then save the file. Make sure to name the file **`index.html`** and place it in the **`mySite`** folder.

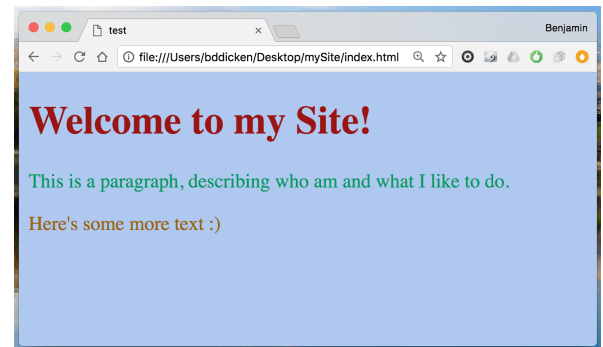Finally, open up a web-browser, and navigate to the following URL:

`file:///Users/`**`your-username-here`**`/Desktop/mySite/index.html`

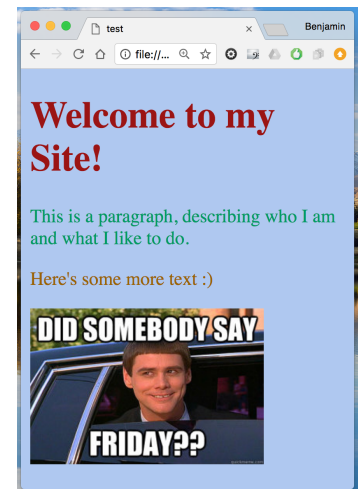What do you see? Right-click on the page and select "View Page Source" to see the html behind-the-scene.

(2)　　If you followed the steps in part 2 exactly, you probably saw a blank white website. That's because you didn't add any content to the site. Modify your site so that it has a title and welcome paragraph of text, similar to the image on the right.
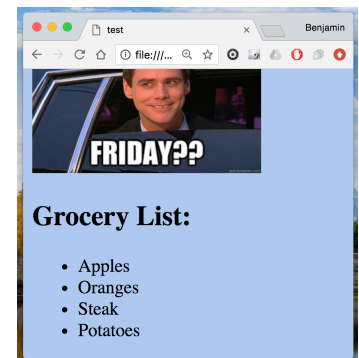

(3)　　Now, try adding a bit more text, and modifying the background color and font color of the various chunks of text. If forgot how to do this, check out the class slides or ask your SL.

(4)　　Next you should add an image to your site. Use google to find a (PG-rated) image, and use the **<img>** tag to insert it into your website.

(5)　　Lastly, add a "grocery list" to the bottom of the site using the **<ul>** and **<li>** tags

(6)　　If you finish everything with time remaining, Try adding other .html pages, and linking to them from the home page with the **<a>** tag. You may also work on the assignment.