

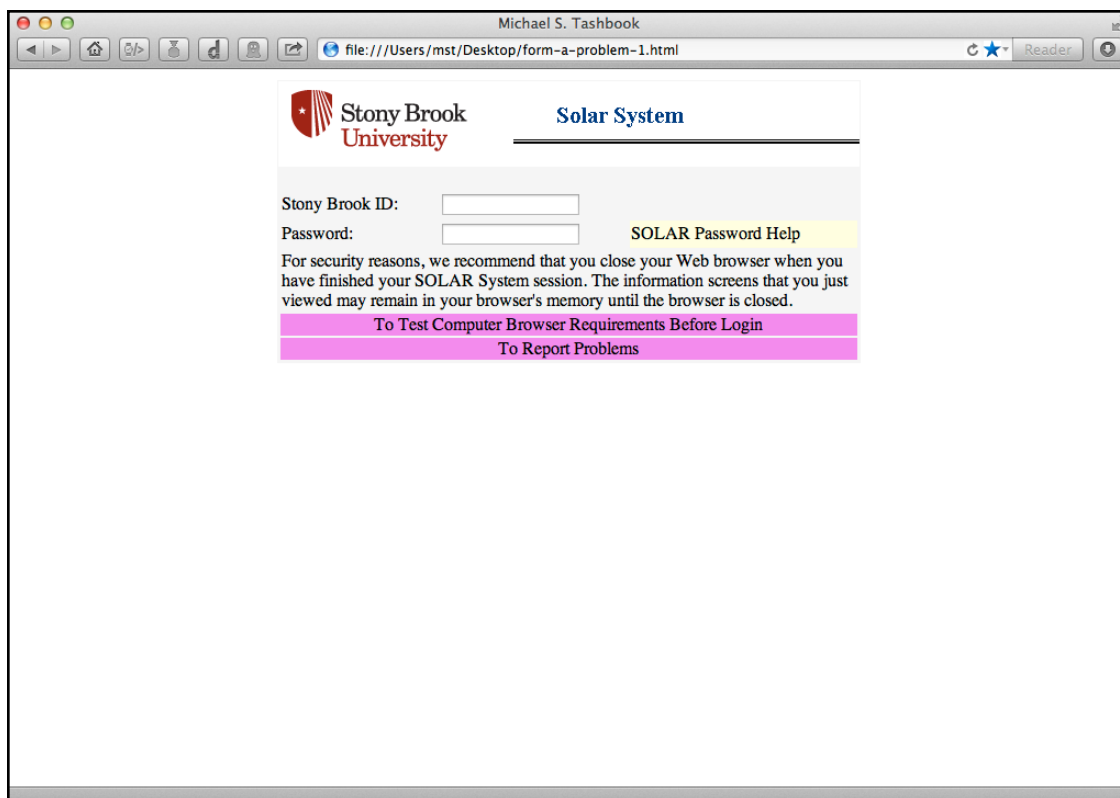
**Midterm 2 (Practice Version)**

Complete **ALL** of the exercises that follow. At the beginning of the exam, the instructor will provide you with instructions on how to submit your work when you are finished.

1. You may not use **any** electronic devices during the exam, with the exception of USB flash drives and the computers that are installed in the exam room. Please turn all prohibited devices **OFF** for the duration of the exam.
2. Be sure to put your name in the title of every HTML page you create/modify, and be sure to sign the attendance sheet.
3. During the exam, you will **NOT** have access to any Web sites other than the course Web page, which is located at <http://www3.cs.stonybrook.edu/~tashbook/fall2015/cse102/>
4. Note that you will **NOT** have access to WYSIWYG Web-development tools like Dreamweaver during the exam! Use a plain text editor (like Notepad++) instead. We want to see how well **you** can work with HTML and CSS, not how well you can get a program like Dreamweaver to write the HTML for you...
5. You may not communicate in **any** fashion (notes, etc.) with any other students during the exam. Any suspected cheating will result in a grade of 0 for the exam and academic dishonesty charges.
6. The course Web page contains copies of the slides and sample code that we have posted on Blackboard this semester.
7. Partial credit may be assigned at the instructor's discretion

## 1. Simple HTML and CSS Formatting (5 points)

Using the files "solar.html" and "SbSolarLogo90.gif" (contained in the "images" folder) as a starting point, apply HTML and CSS formatting to reproduce the page shown below. Your colors do not need to match exactly, but they should be similar (for reference, we used the CSS colors "whitesmoke", "lightyellow", and "violet"). **All CSS should be placed in an external style sheet named "solar.css" for this problem.**




## 2. Multiple-Page Sites (9 points)

Add HTML markup and CSS styling to the files "mac.html" and "pancakes.html" so that they resemble the screenshots that follow. Each page should link to the other. **Use a single external stylesheet named "recipes.css" for both files.** Note that the links at the top of the page should contain yellow text on a black background. Use lists for the ingredients and directions. The images are included in the "images" folder.

file:///Users/mst/Desktop/form-a-problem-2-p1.html

Mac and Cheese Pancakes

## Macaroni and Cheese



**Total Time: 40 mins**  
**Prep Time: 10 mins**  
**Cook Time: 30 mins**

Ingredients:

Servings: 6

- 16 ounces elbow macaroni (cooked)
- 1/2 cup butter
- 1 teaspoon salt
- 1/2 teaspoon pepper
- 1/2 cup flour
- 3 1/2 cups milk
- 1 lb cheese, cut into cubes (I use Velveeta for creamier mac and cheese)
- breadcrumbs


Directions:

Unit:	Equals:	Also equals:
1 tsp.	1/6 fl. oz.	1/3 Tbsp.
1 Tbsp.	1/2 fl. oz.	3 tsp.
1/8 cup	1 fl. oz.	2 Tbsp.
1/4 cup	2 fl. oz.	4 Tbsp.
1/3 cup	2-3/4 fl. oz.	1/4 cup plus 4 tsp.
1/2 cup	4 fl. oz.	8 Tbsp.
1 cup	8 fl. oz.	1/2 pint
1 pint	16 fl. oz.	2 cups
1 quart	32 fl. oz.	2 pints
1 liter	34 fl. oz.	1 quart plus 1/4 cup
1 gallon	128 fl. oz.	4 quarts

file:///Users/mst/Desktop/form-a-problem-2-p2.html

Mac and Cheese Pancakes

## Pancakes



**Total Time: 20 mins**  
**Prep Time: 5 mins**  
**Cook Time: 15 mins**

Ingredients:

Servings: 4

- 1 1/2 cups all-purpose flour
- 1 teaspoon salt
- 2 tablespoons sugar
- 2 1/2 teaspoons baking powder
- 1 egg
- 3 tablespoons melted butter
- 1 1/4 cups milk

Directions:

1. Beat egg.

Unit:	Equals:	Also equals:
1 tsp.	1/6 fl. oz.	1/3 Tbsp.
1 Tbsp.	1/2 fl. oz.	3 tsp.
1/8 cup	1 fl. oz.	2 Tbsp.
1/4 cup	2 fl. oz.	4 Tbsp.
1/3 cup	2-3/4 fl. oz.	1/4 cup plus 4 tsp.
1/2 cup	4 fl. oz.	8 Tbsp.
1 cup	8 fl. oz.	1/2 pint
1 pint	16 fl. oz.	2 cups
1 quart	32 fl. oz.	2 pints
1 liter	34 fl. oz.	1 quart plus 1/4 cup
1 gallon	128 fl. oz.	4 quarts

## 3. JavaScript (6 points)

The "buttons.html" file is shown in the screenshot below (note that the screenshot does not include the checkbox from the supplied starter code). Add JavaScript to your page as follows:

- When the checkbox is clicked, the `invert()` function should be called. Complete `invert()` as follows: If the checkbox is currently checked, set the page colors to white on blue. If the checkbox is currently unchecked, set the page text colors to blue on white. (Hint: modify the page body's style attributes to do this)
- When the Debian (red spiral) logo image is clicked, pop up a Javascript alert box with the text "Linux rocks!".
- When the PHP logo image is clicked, call a Javascript function (of your own creation) that makes the related PHP description text **bold**. You do not need to toggle the boldface status of the text; once it's bold, it can stay bold. (Hint: As with Homework 3, add a `<span>` tag around the text that you want your Javascript to modify)

