CSC170 Lab 11 HTML Forms

Due: Tuesday, October 31, 2017

For this lab, you will create a valid HTML form and insert it into your website. Use the comp provided (last page of this document) as a guide to create your own version of the form and follow the instructions below.

NOTE: Usually you make a copy of the last lab as a starting point for the current lab. This time you may choose whether you start with Lab 9 (PHP Includes), or if you don't want to deal with PHP Includes anymore you may revert to Lab 8 and make a copy of that instead.

# Part 1: Add a New Webpage to Your Website

* Make a copy of your Lab 8 or Lab 9 folder and name the new folder named **lab10**
* Open all the HTML files in your code editor and make the following changes to **all of them**:[[1]](#footnote-1)
* Change the titles in the <title> tags to "Lab 10 - …"   
  e.g. <title>**Lab 10** - Shakespeare</title>
* Add a new menu item to the navigation on each page like this:   
  <li><a href="contact.html">Contact Us</a></li>
* Make a copy of any one of your HTML files; call the new file: **contact.html (or contact.php)**
* Edit the **contact.html** ( or .php) file
* *If you're using the non-PHP version of your website (from Lab 8) only…*In the NAV element, add the class, **class="is-current"** to the Contact Us anchor tag[[2]](#footnote-2)
* In your **contact** file, remove the content *within* the ARTICLE element. (Leave the ARTICLE tag there.)
* In your **contact** file, remove the ASIDE element in its entirety.
* In your **contact** file, add the ID "contact" on the BODY tag like this:  
  <body **id="contact"**>
* In your **styles.css** file, target the ARTICLE on your contact webpage with a new style and tell it to span the CSS Grid, from lines 1 to 3, like this:  
  #contact article { grid-column: 1 / 3; }
* Within the ARTICLE, create a new H2 like this:[[3]](#footnote-3)  
  <h2>**Contact Us**</h2>

# Part 2: Create the HTML Form

Refer to the comp at the end of this document as a guide, and then code the following form controls required for this assignment.

* Under the H2, create a <form> element. The <form> element must have two attributes:
  + A **method** that has a value of **"post"**
  + An **action** that has a value of **"#"**

## General Requirements

You must create a web form that uses the following elements:

* A set of **text input** fields (at least three) that use the attribute, type="**text**"   
  (or you can swap “text” for “email” or “url” or “tel” …whatever’s appropriate, so long as there’s at least three of them.)
* A set of **checkboxes**  
  At least three; they can be about whatever you want so long as they have something to do with your lab’s content.
* A set of **radio buttons**  
  At least three; they can be about whatever you want so long as they have something to do with your lab’s content.
* A **fieldset** and **legend** around your checkboxes and radio buttons.
* A **textarea** field
* A **submit** button with *custom words* on the button

Also, make sure you follow these requirements as you build your HTML form:

* Each form element that captures data (e.g. INPUT or TEXTAREA) you must include the following attributes in each:[[4]](#footnote-4)
  + a **name** attribute
  + an **id** attribute

Remember: when writing values for **name=""** and **id=""** web developers typically use the same value, e.g. name="*email*" and id="*email*" …but *not* for radio buttons!  
  
For radio buttons, all the name="" attributes must be the same. But id="" attributes must be unique.

* As you create EACH form element that captures data (e.g. INPUT or TEXTAREA), you must create a label that uses the appropriate HTML element (**<label>**) and attribute (**for=""**) to associate it with the form element it's labeling.[[5]](#footnote-5)

## The Checkbox and Radio Button Controls

* For each checkbox, include the attribute: **value=""** into which you can write some text that indicates what the checkbox represents
* For each radio button, include the attribute: **value=""** into which you can write some text that indicates what the radio button represents

## The Rest of the Form Controls

* Create a text area as shown in the comp to capture the user's comments.
* Create a submit button using the **value=""** attribute so it says something besides the default.

# Part 3: Style the Form

* In the HEAD of the contact.html file (or in your html-top.inc file) add a new LINK to another CSS file like this:  
  <link rel="stylesheet" href="css/form.css">
* In the **css** folder, create a new plain text file named **form.css**
* Next, you’re provided with some simple CSS for your **form.css** file that should work automatically to provide some basic styles to your HTML files.
* It is not required but you are encouraged to embellish the styles here – try your own variations to make it look nicer.

CSS you can ~~steal~~ use (with my permission):

**form {**

background-color: rgba(255,255,255,0.7);

padding: 30px;

width: 100%;

**}**

/\* assuming you’re using H3s, you can do something like this...\*/

**form h3 {**

margin-bottom: 0;

font-size: 16px;

**}**

/\* To make the following style work, in your HTML you need to add class="fixed" to the <label> elements that label the type="text" elements...\*/

**form label.fixed {**

display: inline-block;

width: 75px; /\*...adjust as needed \*/

**}**

**form textarea {**

width: 100%;

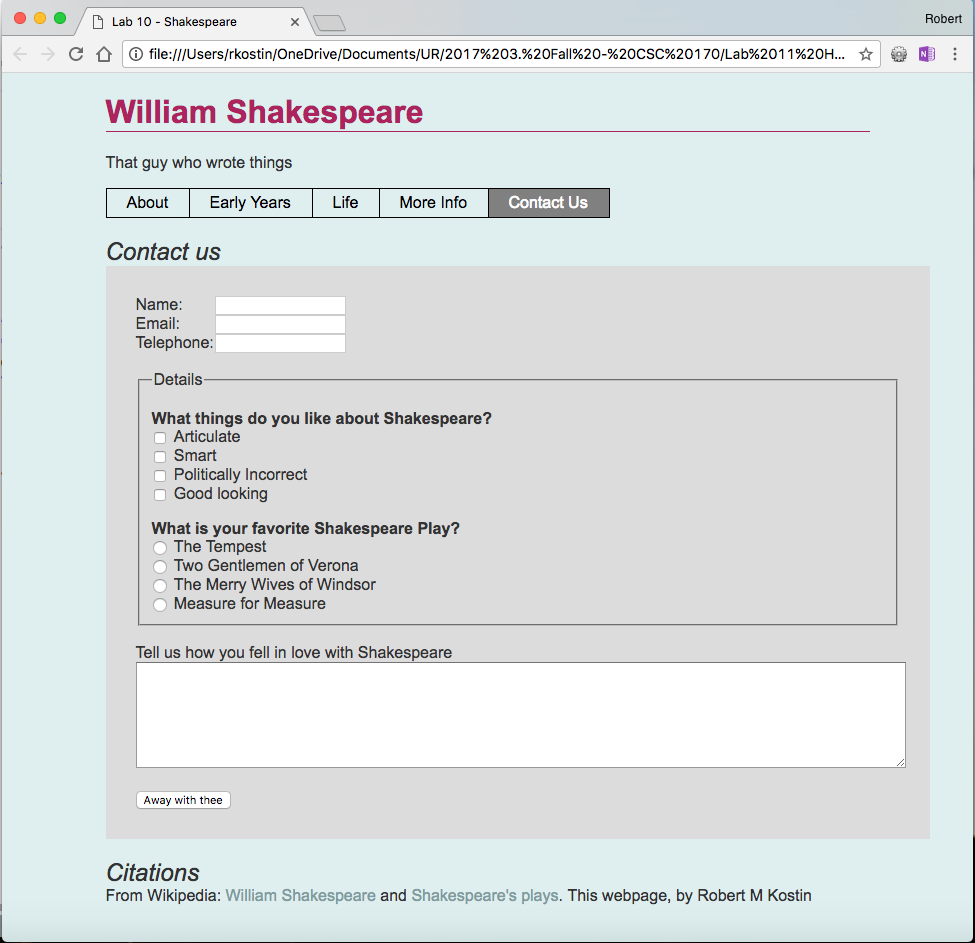
height: 300px;

**}**

…but try to do better than this! Design the form so it works with your website's design.

# Comp

Use this as a guide for your Contact page. However, your styles should be appropriate for *your* website.



# Part 4: Upload and Report your Work

When you are done with your webpage, use an FTP tool to access your account on **urcsc170.org** and upload your files.

* In a web browser, go to this address to check your handiwork:   
  **www.urcsc170.org/*accountname*/lab10/contact.html** (where “*accountname*” is your account name)
* Remember: Use the W3C HTML validator (**validator.w3.org**) to check your work before you report it!
* In our Blackboard section, in Lab 10, post a link to your webpage to receive credit for this Lab.

1. Or if you're still using PHP includes (Lab 9), you simply have to update two **.inc** files [↑](#footnote-ref-1)
2. If you based this lab after Lab 9, then your "is current" menu highlighter will continue to be broken until we fix it later in the semester. [↑](#footnote-ref-2)
3. It doesn’t have to say, “Contact Us.” You can be creative here. [↑](#footnote-ref-3)
4. You do *not* have to use a **name=””** attribute nor an **id=””** attribute for the SUBMIT button. [↑](#footnote-ref-4)
5. In the example at the end of this document, the text, "What things do you like…" and "What is your favorite…" are \*not\* labels! They’re headings. (They’re H3s.) [↑](#footnote-ref-5)