

CSC 170 Lab 7: HTML Forms

For this lab, you will create a valid HTML form and a script that processes the data from the form and sends it to yourself via email. Use the comp provided (last page of this document) to create the form, and follow the instructions below.

Part 0: Setup

- Download the ZIP'd starter files from the assignment in Blackboard. Expand the files and folders into your local file system (desktop, thumb drive, wherever).
- Open the **index.html** file and the **form-processor.php** file in your code editor.

Part 1: Create the Form

Note: for this assignment, you do not have to use CSS to format this webpage. Let the web browser's built-in styles handle the formatting, and use **
** tags to format the HTML form to look like the comp. (Don't get used to it!)

- ☐ Under the H1, 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 **"form-processor.php"**

Refer to the comp at the end of this document to code the following form elements required for this assignment.

General Requirements

- ☐ As you create the form elements that captures data (there are 12 of them), you must include the following in each:
 - 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!¹

- ☐ As you create EACH form element that captures data, 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.²

¹ For radio buttons, all the **name=""** attributes have to be the same. But **id=""** attributes always have to be unique.

² The text, "What browsers do you use?" and "What is your favorite browser?" are **not** labels! For this assignment, you can leave them as plain text (no tags) in the HTML.

The Basic Form Elements

- ☐ Create the basic form elements as shown in the comp provided, and add the appropriate attributes as indicated:
 - Name (type="text") (required)
 - Email (type="email") (required)
 - Telephone (type="tel") (required)

The Selection Form Elements (checkboxes and radio buttons)

- ☐ Create a **fieldset** with a **legend** to create the layout as shown in the comp provided
- ☐ Create a set of **checkboxes** as shown in the comp provided
- ☐ For each checkbox, include the attribute: **value=""** into which you can write some text that indicates what the checkbox represents (e.g. "Firefox", "Chrome", et cetera)

- ☐ Create a set of **radio buttons** as shown in the comp provided
- ☐ For each radio button, include the attribute: **value=""** into which you can write some text that indicates what the radio button represents (e.g. "Firefox", "Chrome", et cetera)

Remember: with radio buttons, when writing values for **name=""** and **id=""** you need to make the **NAMES** all the same so the radio buttons work together as a group. Remember however, all **IDs** must be unique! So you might want to do something like this for each:

```
<input type="radio" name="browser-select" id="firefox-select" value="firefox">  
...et cetera
```

The Rest of the Form Elements

- ☐ Create a box as shown in the comp to capture the user's comments.
- ☐ Create a submit that says "Send"

Part 2: Fill-out the HTML Form Processor

The exact code you need to fill-out the missing parts of the form processor depends on how exactly you coded the HTML form. You'll need to use your email address, plus remember all the NAME attributes you used in your HTML form (there should be nine of them³).

- ☐ Fill out the blanks in the provided PHP code so the form is able to send an email to yourself when it's installed on a web server.

Remember: although you can see your web page in a browser on your desktop computer, the form will not work when you click the submit button. The form only works when you use it installed on a web server that has an email server attached (which our web server does).

³ The four radio buttons that use the same NAME attribute count as one.

Part 3: Upload your Work

When you are done with your webpage, use an FTP tool (like *WinSCP*) to access your account on .**rochestercs.org** to create a folder: **lab07** and upload all your files into it.

- ❑ In a web browser (any), go to this address to check your handiwork:

***accountname*.rochestercs.org /lab07**

(where “*accountname*” is your account name)

Try the form. Make sure the required fields work. Make sure the email field validates that you typed-in a valid email address. After you submit the form, you should receive an email with the data from the form. If not, go back to your local files and figure out the problem. Then re-upload your files and try again.

Part 6: Report your work

Remember: Use the W3C HTML validator (**validator.w3.org**) to check your work before you report it!

- In our Blackboard section, in Lab 7, post a link to your webpage to receive credit for this Lab.

- **ALSO, in the Lab 7 assignment in Blackboard, create a ZIP file of your lab07 folder and attach it as part of your submission.**



Look! This is new.

Comprehensive layout

Replicate this appearance.

Lab7- HTML forms

file:///C:/Users/Robert/SkyDrive/Documents/UR/CSC170 - 201

Google

Name:

Email:

Telephone:

Browsers

What browsers do you use?

☐ Firefox

☐ Chrome

☐ Safari

☐ Internet Explorer

What is your favorite browser?

☐ Firefox

☐ Chrome

☐ Safari

☐ Internet Explorer

Message

Send