

CIS 4004: Web-Based Information Technology Fall 2013

Homework Assignment #2 (100 pts)
Due Friday September 27, 2013

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University of Central Florida



Homework Assignment #2

- This assignment has three main objectives:
 - (1) To give you some practice writing valid semantically correct HTML5 markup that contains a form. The form will contain both classical as well as new HTML5 form elements.
 - (2) To give you some additional practice writing accessible code using ARIA roles in your markup.
 - (3) To practice applying CSS properties to style form elements as well as the overall page layout. You will use only an external style sheet in this assignment. No internal style sheet and no inline styles will be accepted.



HTML For Assignment #2

- I want you to create a single page form that contains text boxes, selection boxes and so on that we've discussed in class.
- Your markup must validate as semantically and syntactically correct HTML5 markup.
- Your markup is to be styled with a single external style sheet. No internal or inline styles may be used.
- I would strongly urge you to develop this assignment using the latest Opera or Chrome browser if you are using a Windows platform, or Safari if you are using a Mac platform, as several of the elements we will be using are not fully supported by other browsers at this time.



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Personal Information

Name

Birthday

Website

Job

Approx. annual salary

Contact Information

Address line 1

Address line 2

Country

Tel

Email

Personalise your profile

Choose a page color

Finally, on a scale of 1 to 10, how excited are you about HTML5 forms?

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Details For Assignment #2

- Notice that some of the form elements are using placeholders (website and telephone).
- Notice that a range slider and a color picker are included.
- The submit button is highly styled (see page 14).
- The two major areas of the form are inside `fieldset` elements. The major part of the form should appear in two columns as shown.
- The birthday area uses a date selector.
- The range selector uses the `output` element.
- The name, address line 1, address line 2, and email are all text boxes.
- All form elements are to be required.
- You must include ARIA landmark roles on



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Name

Birthday

September 2013

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	1	2	3	4	5

Address line 1

Address line 2

Country

Tel

Email

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Finally, on a scale of 1 to 10, how excited are you about HTML5 forms?

1 ————— 10

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Name <input type="text"/>	Address line 1 <input type="text"/>
Birthday <input type="text"/>	Address line 2 <input type="text"/>
Website <input type="text" value="http://mysite.com"/>	Country <input type="text"/>
Job <input type="text"/>	Tel <input type="text" value="eg: 000-123-4567"/>
Approx. annual salary <input type="text"/>	Email <input type="text"/>

The job area utilizes a datalist element. Provide at least 5 options here. Safari won't display a datalist element.

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Finally, on a scale of 1 to 10, how excited are you about HTML5 forms?

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The job area utilizes a datalist element. Provide at least 5 options here. Chrome rendering.

<p>Name</p> <input type="text"/>	<p>Address line 1</p> <input type="text"/>
<p>Birthday</p> <input type="text" value="mm/dd/yyyy"/>	<p>Address line 2</p> <input type="text"/>
<p>Website</p> <input type="text" value="http://mysite.com"/>	<p>Country</p> <input type="text"/>
<p>Job</p> <input type="text"/> <ul style="list-style-type: none">GamerInternational Jet SetterWeb developerWeb designerJack of all trades	<p>Tel</p> <input type="text" value="eg: 000-123-4567"/>
	<p>Email</p> <input type="text"/>

Choose your profile
Choose a page color

Finally, on a scale of 1 to 10, how excited are you about HTML5 forms?

1 10

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The job area utilizes a datalist element. Provide at least 5 options here. IE10 rendering.

Name

Birthday

Website

Job

- Gamer
- International Jet Setter
- Web developer
- Web designer
- Jack of all trades

Address line 1

Address line 2

Country

Tel

Email

Personalise your profile

Choose a page color

Finally, on a scale of 1 to 10, how excited are you about HTML5 forms?

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Local localhost/Volumes/PATRIOT/CIS%204004%20-%20Fall%202013, Search with Google

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Personal Information

Name

Birthdate

Website

Job

Approx. annual salary

Contact Information

Address line 1

Address line 2

Country

Tel

Email

Personalise your profile
Choose a page color

Finally, on a scale of 1 to 10, how excited are you about HTML5 forms?

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Update Ready

The salary area utilizes a number selector. Set the range from 0 to 100,000 in increments of 1000.



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Personal Information

Name

Birthday

Website

Job

Approx. annual salary

Contact Information

Address line 1

Address line 2

Country
USA
Canada
United Kingdom
Italy

Personalise your profile
Choose a page color

Finally, on a scale of 1 to 10, how excited are you about HTML5 forms?

Sign up

Update Ready

The country area utilizes a datalist. Provide at least 4 options here.



Sign up

Name

Birthday

Website

Job

Approx. annual

Color

Basic colors:

<input type="color" value="#FF0000"/>	<input type="color" value="#FFFF00"/>	<input type="color" value="#00FF00"/>	<input type="color" value="#00FFFF"/>	<input type="color" value="#0000FF"/>	<input type="color" value="#FF00FF"/>
<input type="color" value="#FF00FF"/>	<input type="color" value="#00FF00"/>	<input type="color" value="#00FFFF"/>	<input type="color" value="#0000FF"/>	<input type="color" value="#FF00FF"/>	<input type="color" value="#FF0000"/>
<input type="color" value="#FF0000"/>	<input type="color" value="#FF00FF"/>	<input type="color" value="#00FF00"/>	<input type="color" value="#00FFFF"/>	<input type="color" value="#0000FF"/>	<input type="color" value="#FF00FF"/>
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<input type="color" value="#FF0000"/>	<input type="color" value="#FF00FF"/>	<input type="color" value="#00FF00"/>	<input type="color" value="#00FFFF"/>	<input type="color" value="#0000FF"/>	<input type="color" value="#FF00FF"/>
<input type="color" value="#FF0000"/>	<input type="color" value="#FF00FF"/>	<input type="color" value="#00FF00"/>	<input type="color" value="#00FFFF"/>	<input type="color" value="#0000FF"/>	<input type="color" value="#FF00FF"/>
<input type="color" value="#FF0000"/>	<input type="color" value="#FF00FF"/>	<input type="color" value="#00FF00"/>	<input type="color" value="#00FFFF"/>	<input type="color" value="#0000FF"/>	<input type="color" value="#FF00FF"/>
<input type="color" value="#FF0000"/>	<input type="color" value="#FF00FF"/>	<input type="color" value="#00FF00"/>	<input type="color" value="#00FFFF"/>	<input type="color" value="#0000FF"/>	<input type="color" value="#FF00FF"/>
<input type="color" value="#FF0000"/>	<input type="color" value="#FF00FF"/>	<input type="color" value="#00FF00"/>	<input type="color" value="#00FFFF"/>	<input type="color" value="#0000FF"/>	<input type="color" value="#FF00FF"/>
<input type="color" value="#FF0000"/>	<input type="color" value="#FF00FF"/>	<input type="color" value="#00FF00"/>	<input type="color" value="#00FFFF"/>	<input type="color" value="#0000FF"/>	<input type="color" value="#FF00FF"/>

Custom colors:

<input type="color" value="#000000"/>	<input type="color" value="#000000"/>	<input type="color" value="#000000"/>	<input type="color" value="#000000"/>	<input type="color" value="#000000"/>	<input type="color" value="#000000"/>	<input type="color" value="#000000"/>	<input type="color" value="#000000"/>
<input type="color" value="#000000"/>	<input type="color" value="#000000"/>	<input type="color" value="#000000"/>	<input type="color" value="#000000"/>	<input type="color" value="#000000"/>	<input type="color" value="#000000"/>	<input type="color" value="#000000"/>	<input type="color" value="#000000"/>

Define Custom Colors >>

ColorSolid

Hue: Red:
Sat: Green:
Lum: Blue:

OK Cancel Add to Custom Colors

The input element for the color selection is of type color and again there will be varying ranges of support for this type. Shown is Chrome 29 (the latest version) that brings up a complete color chooser.

Personalise your profile
Choose a page color

Finally, on a scale of 1 to 10, how excited are you about HTML5 forms?

1 10

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Name

Birthday

Website

Job

Approx. annual salary

Address line 1

Address line 2

Country

Tel

Email

The Chrome version after the user has made a color selection.

Personalise your profile
Choose a page color

Finally, on a scale of 1 to 10, how excited are you about HTML5 forms?

Sign up



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Name <input type="text"/>	Address line 1 <input type="text"/>
Birthday <input type="text" value="mm/dd/yyyy"/>	Address line 2 <input type="text"/>
Website <input type="text" value="http://mysite.com"/>	Country <input type="text"/>
Job <input type="text"/>	Tel <input type="text" value="eg: 000-123-4567"/>
Approx. annual salary <input type="text" value="\$"/>	Email <input type="text"/>

The submit button is highly styled – notice the round corners and the “glow” which appears when the user hovers their mouse pointer over the button.

Personalise your profile

Choose a page color

Finally, on a scale of 1 to 10, how excited are you about HTML5 forms?

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Personal Information

Name

Birthday **This is a required field**

Website

Job

Approx. annual salary

Contact Information

Address line 1

Address line 2

Country

Tel

Email

Personalise your profile
Choose a page color

Finally, on a scale of 1 to 10, how excited are you about HTML5 forms?

Sign up

Update Ready

All form elements are required. If the user attempts to click the submit button without providing a value for any field in the form, an error message will be displayed as shown.



CSS Restrictions

1. Only an external style sheet may be used. All styling of the page should be handled by one external style sheet.
2. You must use a variety of CSS selectors in this assignment. At a minimum you must include at least 1 of each of the following types of CSS rules:
 1. A class.
 2. An id.
 3. A two-level deep contextual selector.
 4. A rule using a pseudo-element or pseudo-class.
 5. An attribute/value based selector.



When And What To Turn In

- The deliverables for this assignment are:
 1. A semantically correct HTML5 markup document containing the required ARIA roles (35 pts).
 2. The CSS external stylesheet (30 pts).
 3. A document containing screen captures for both HTML5 validation that shows only the one warning as shown on the next page and CSS validation (both passing!). Make sure that the name of the validated file appears in the screen shot. (20 pts)
 4. A screen shot of your final rendered document. (15 pts) (You may want to include several of these using different browsers to highlight the different elements.
- The deliverables for this assignment are to be submitted via WebCourses no later than 11:59pm (WebCourses time) on Friday September 27, 2013.



W3C® Markup Validation Service

Check the markup (HTML, XHTML, ...) of Web documents

Jump To: [Notes and Potential Issues](#) [Validation Output](#) [Congratulations - Icons](#)

This document was successfully checked as HTML5!

Result:	Passed, 3 warning(s)
File:	F:\CIS 4004 - Fall 2013\Projects\Proj Browse... <i>Use the file selection box above if you wish to re-validate the uploaded file project2.htm</i>
Encoding:	utf-8 (detect automatically)
Doctype:	HTML5 (detect automatically)
Root Element:	html



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Options

- Show Source
- Show Outline
- List Messages Sequentially
- Group Error Messages by Type
- Validate error pages
- Verbose Output
- Clean up Markup with HTML-Tidy

[Help](#) on the options is available.

Revalidate





The W3C CSS Validation Service

W3C CSS Validator results for project2css.css (CSS level 3)

Jump to: [Validated CSS](#)

W3C CSS Validator results for [project2css.css](#) (CSS level 3)

Congratulations! No Error Found.

This document validates as [CSS level 3](#) !

To show your readers that you've taken the care to create an interoperable Web page, you may display this icon on any page that validates. Here is the XHTML you could use to add this icon to your Web page:



```
<p>
  <a href="http://jigsaw.w3.org/css-validator/check/referer">
    
  </a>
</p>
```



```
<p>
  <a href="http://jigsaw.w3.org/css-validator/check/referer">
    
  </a>
</p>
```

