

# LAB #3 HTML5/CSS3

## Introduction

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This lab will give you plenty of exercises implementing CSS and HTML. All your work should be validated using the HTML and CSS Validator link below. There are HTML attached to this lab document and they should be modified without any errors to reflect the instruction given. See the slides for examples to do your lab.

HTML Validator: <https://validator.w3.org/>

CSS Validator: <http://jigsaw.w3.org/css-validator/>

## Question1: Create an embedded style sheet.

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Instruction: Modify emdedded\_css.html to reflect the image below. Create an embedded CSS. Turn in the modified HTML and upload to EMS. The instructions to reflect the image are listed below.

- 1.The heading and paragraph text should be centered.
- 2.The heading's background must be "coral"
- 3.The footer color must be yellow.

Here is the code I write to add the style to the html file:

```

<html lang="en">
<head>
  <title>Spotted Wren Garden Center</title>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width">
  <script src="modernizr.custom.62074.js"></script>
  <style media="screen">
    p {
      text-align: center;
    }

    h1 {
      background-color: coral;
      text-align: center;
    }

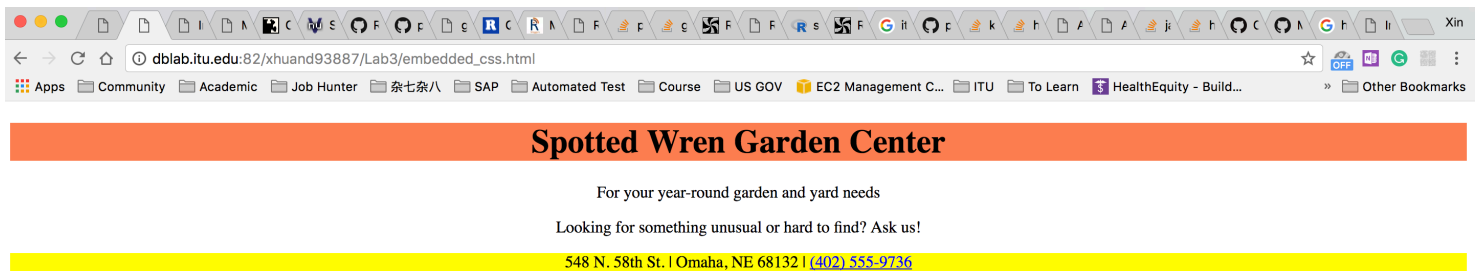
    footer {
      text-align: center;
      background-color: yellow;
    }
  </style>
<body>
  <header>
    <h1>Spotted Wren Garden Center</h1>
  </header>
  <article>
    <p>For your year-round garden and yard needs</p>
    <p>Looking for something unusual or hard to find? Ask us!</p>
  </article>
  <footer>
    <p>548 N. 58th St. | Omaha, NE 68132 |
      <a href="tel:(402) 555-9736">(402) 555-9736</a>
    </p>
  </footer>
</body>

</html>

```

After the file is deployed to ITU server, I am able to browse it using the link:

[http://dbllab.itu.edu:82/xhuand93887/Lab3/embedded\\_css.html](http://dbllab.itu.edu:82/xhuand93887/Lab3/embedded_css.html)



## Question2: Implement an ID selector, class selector, multiple selectors

Instruction: Modify `css/dclass_multi.html` to reflect the image below. Create an embedded CSS. Turn in the modified HTML and upload to EMS. The instructions to reflect the image are listed below.

1. The heading's background is black.
2. The heading and footer's color is red.
3. The "Authentic Chicago-style pies" text has ID selector that aligned to the right.
4. The article tag should be aligned in the center.
5. The paragraph `<p>` should have a class selector name `contact`. It should be aligned to the right.
6. Add comment to all your stylesheet and HTML to document your work. You should have your name, author, title, and other things you might want to add. Check the slides for example

Here is the code I write to add the style to the html file:

```
<html>
<head>
  <title>Big J's Deep Dish Pizza</title>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width">
  <script src="modernizr.custom.62074.js"></script>

  <style media="screen">
    header {
      background-color: black;
```

```

        color: red;
    }

    footer {
        background-color: black;
        color: red;
    }

    article {
        text-align: center;
    }

    #chicago {
        text-align: right;
    }

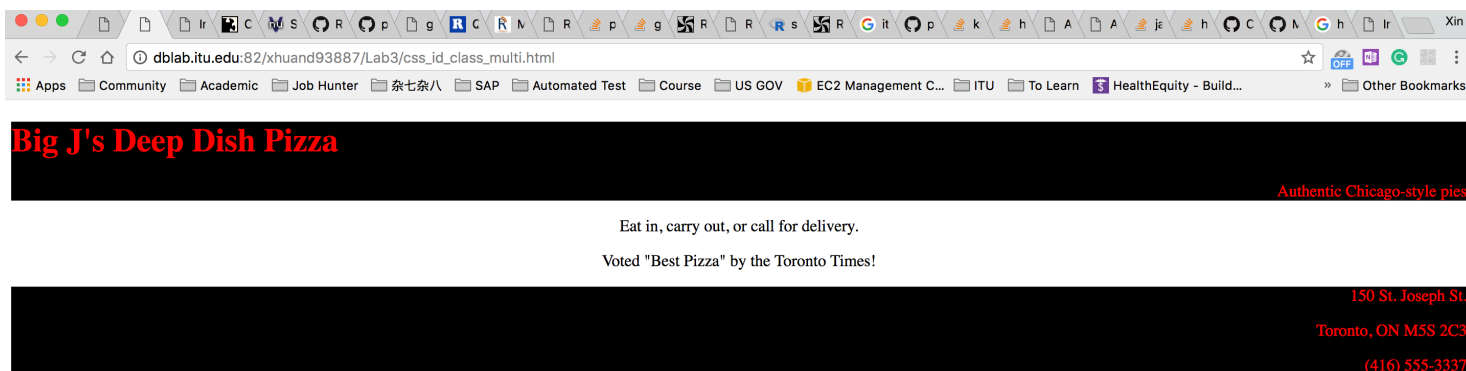
    .contact {
        text-align: right;
    }
</style>
</head>

<body>
    <header>
        <h1>Big J's Deep Dish Pizza</h1>
        <p id="chicago">Authentic Chicago-style pies</p>
    </header>
    <article>
        <p>Eat in, carry out, or call for delivery.</p>
        <p>Voted "Best Pizza" by the Toronto Times!</p>
    </article>
    <footer>
        <p class="contact">150 St. Joseph St.</p>
        <p class="contact">Toronto, ON M5S 2C3</p>
        <p class="contact">(416) 555-3337</p>
    </footer>
</body>
</html>

```

After the file is deployed to ITU server, I am able to browse it using the link:

[http://dmlab.itu.edu:82/xhuand93887/Lab3/css\\_id\\_class\\_multi.html](http://dmlab.itu.edu:82/xhuand93887/Lab3/css_id_class_multi.html)



## Create an external style sheet

Instruction: Modify external\_css.html to reflect the image below. Create an external CSS. If you check the contents of this HTML file, the style sheet tag is commented out. Create an style.css file and uncomment this tag. Turn in the CSS you created and upload to EMS. The instructions to reflect the image are listed below.

1. The heading's background color is orangered. `<h1>`
2. The heading and article's are aligned to the center.
3. The footer has a background color of green and the color of the text is white.
4. The footer's paragraph should have class selector named "contact".

Here is the code I write to add the style to the html file:

```

/*
  Filename: styles.css

  Author: Xin Huang
  Date: 09/27/2017
  External css file for lab 3
*/

h1 {
  background-color: orangered;
  text-align: center;
}

article {
  text-align: center;
}

footer {
  background-color: green;
  color: white;
}

.contact {
  text-align: right;
}

```

After the file is deployed to ITU server, I am able to browse it using the link:

[http://dbllab.itu.edu:82/xhuand93887/Lab3/external\\_css.html](http://dbllab.itu.edu:82/xhuand93887/Lab3/external_css.html)

**Murfreesboro Regional Soccer League**

Part of the North American Recreational Soccer Association

The MRSL is open to players of all levels who want to play soccer in a relaxed, friendly environment. Even if you've never played soccer before, the MRSL is a great place to start.

To get a feel for our league, we recommend you call us at the number below or stop by Davies Sporting Goods to talk to one of our coordinators and get the details on our next all-team practice or workshop day. Then come kick around the ball with us and meet other players in the league.

If you're interested in joining up, you'll need to complete some paperwork and pay \$65 for a seasonal membership (\$40 for seniors and students).

We look forward to seeing you on the field!

MRSL - c/o Davies Sporting Goods  
418 N. Sartoris St. - Murfreesboro, TN 37130 - (615) 555-2255

Validate the CSS below using <http://jigsaw.w3.org/css-validator/>. If the validation tool shows no comments on the validity of the CSS code, copy it into a new text document and save it. Make a few changes to the syntax of the style rules included in the copied code, and then validate the edited style sheet. How did the changes impact the validity of the CSS code?

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https://validator.w3.org/nv/?doc=http%3A%2F%2Fdblab.itu.edu%3A82%2Fxhuand93887%2FLab3%2Fcsc\_id\_class\_multi.html

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HealthEquity - Build...

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Other Bookmark

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for http://dblab.itu.edu:82/xhuand93887/Lab3/css\_id\_class\_multi.html

Checker Input

Show☐ source☐ outline☐ image reportOptions...

Check by address▼

http://dblab.itu.edu:82/xhuand93887/Lab3/css\_id\_class\_multi.html

Check

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Message Filtering

1. **Warning** Article lacks heading. Consider using `<h2>` or `<h3>` elements to [add identifying headings to all articles](#).

From line 49, column 5; to line 49, column 13

ader<>  
`<article>`<>

Document checking completed.

Used the HTML parser.  
Total execution time 139 milliseconds.

Example of using <http://jigsaw.w3.org/css-validator/> to validate the result:



## The W3C CSS Validation Service

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

Jump to: Validated CSS

### W3C CSS Validator results for styles.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>
```