

CIS 4004: Web-Based Information Technology Fall 2018

Project Five (100 pts)

Due Sunday November 4, 2018

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HEC 236, 407-823-2790

Office Hours: M & W: 1:30-3:30pm

T & Th: 1:30-3:00pm

Department of Computer Science
University of Central Florida



Project Five

- This assignment has one primary objective:
 - (1) To adapt a responsive design to your webpages to automatically adjust the webpage to the type of device the user is employing.

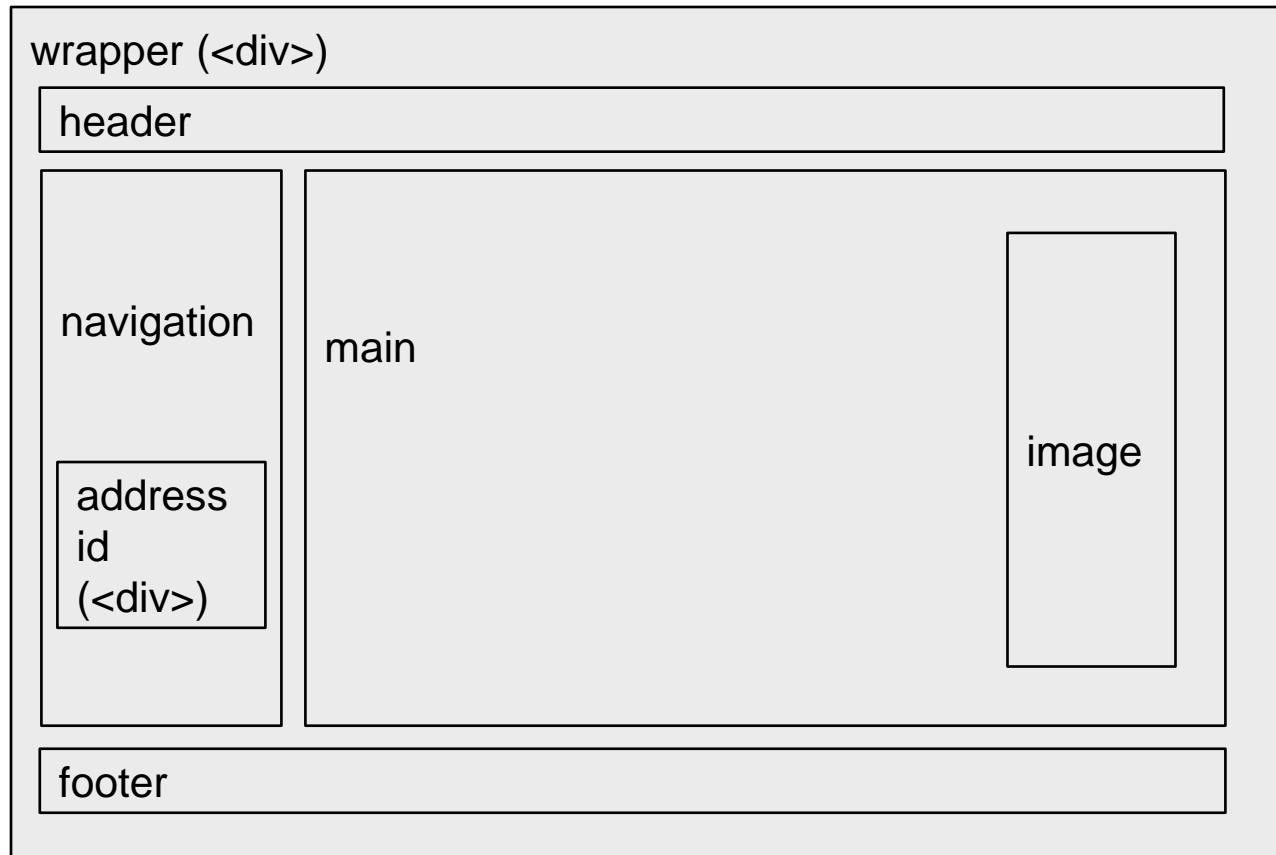


Project Five

- Begin this assignment with the two webpages that you created for Project Four along with the external style sheet that you created for that project.
- Project Four culminated with two webpages and one external style sheet with each page constructed according to the wireframes shown on the next two pages.



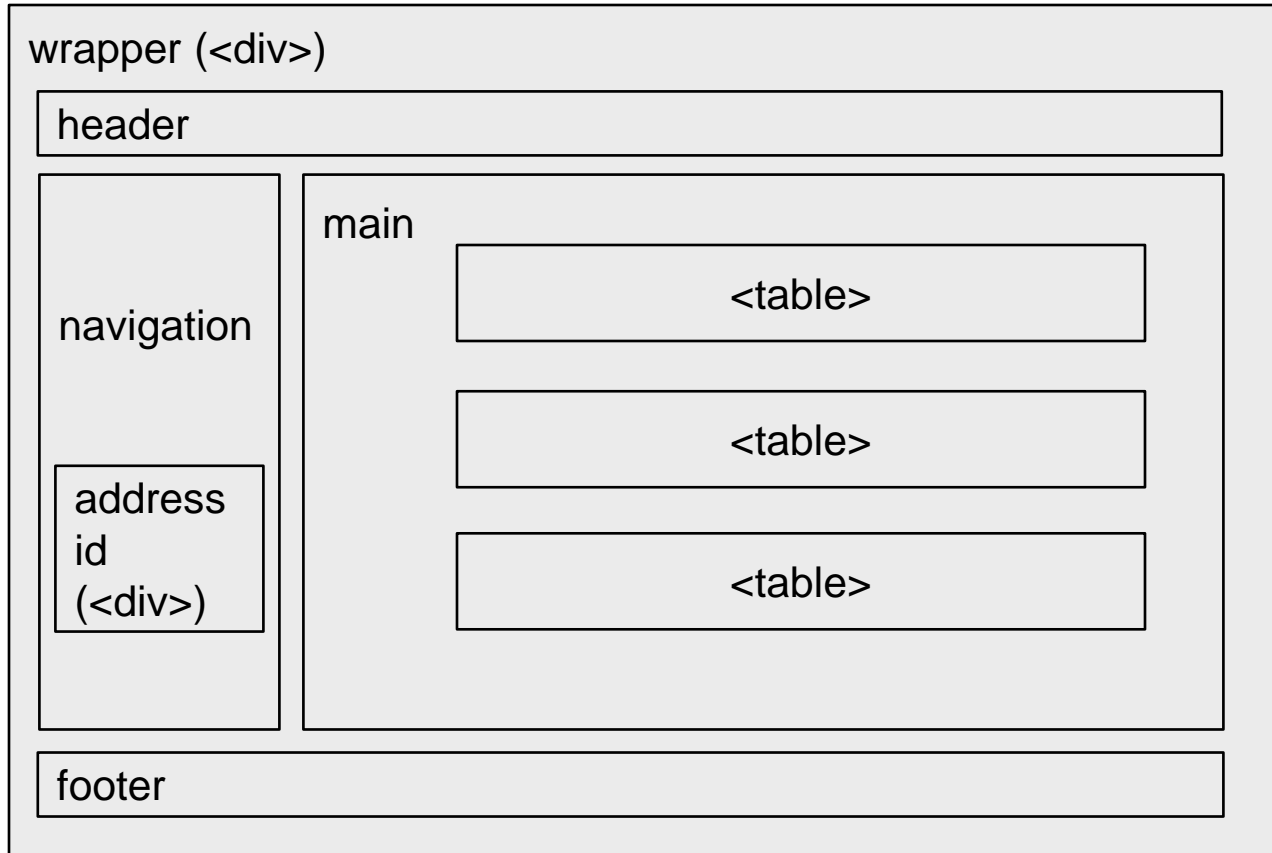
Project Five



Main (index) page



Project Five



Menu page



Project Five: Task 1

- Copy the images folder inside your Project 4 folder into your Project 5 folder. Include all of the images listed below in this folder.
- There are fifteen images to download with the following names:

clamstrips.png

coffee1.jpg

coffee2.jpg

coffee3.jpg

espresso1.png

lighthouselogo.jpg

lighthouselogo1.jpg

marker.gif

muffin1.jpg

ocean.jpg

oldmackinacelight.jpg

salad1.jpg

tea1.jpg

tea2.jpg

tea3.jpg



Project Five: Task 1

- Your primary task for Project Five is to include media queries in the CSS that will modify the display of the all of the pages on your site for display with desktop, tablet, and smartphone devices.
- We'll apply the same responsive design criteria to each of the pages in the web site. See (Aside-6) lecture notes for the general discussion on what modifications are necessary on a page to enhance a responsive design.
- We'll configure three separate “views” for our web site. The basic styles that you've already been developing are for the desktop version of the site. In addition, you'll develop media queries for users utilizing tablets and mobile phones.



Project Five: Task 1

- We'll assume that any device with a viewport size greater than 64em will be a desktop.
- We'll assume that any device with a viewport size between 37.5em and 64em will be a tablet device.
- We'll assume that any device with a viewport size of 37.5em or less will be a mobile phone.
- You'll need to create media queries in your CSS for both of these cases (the desktop version is the default and does not require a media query, it is using straight CSS).



Project Five: Task 1

- For the **tablet version** of the web pages (max-width: 64em) assume the following CSS properties:
 - For `<body>` set margin to 0.
 - For the wrapper `<div>` set minimum width to 0, width to auto, and box-shadow to none. (Eliminate the two column effect.)
 - For the `<main>` selector, set left margin to 0 and display as a block element (not a table-cell).
 - For `<nav>` selector, set `display:inline`, set width to auto, center text, and use 0.5em padding.
 - For navigation list items, use a descendant selector to configure `` elements within the `<nav>` to set inline display, 0.25em top and bottom padding, and 0.75em left and right padding.
 - For the main image element set the bottom margin to 5px.



Project Five: Task 1

- For the **mobile phone version** of the web pages (max-width: 37.5em) assume the following CSS properties:
 - For `<header>` selector set top padding to 1em.
 - For the `<main>` selector, set top and bottom padding to 0.1em, left and right padding to 1em, and font size to 90%.
 - For `<h1>` selector, set the font size to 1.5em.
 - For navigation list items, use a descendant selector to configure `` elements within the `<nav>` to set block display, 0 margin, and a 1 pixel solid (#FFE4C4) bottom border. Also use a pseudo-element selector to set a similar top border on the first `` within the `<nav>`.
 - For navigation hyperlinks, use a descendant selector to configure the elements within the `<nav>` to set block display. (This will give the user a larger area to tap when selecting a hyperlink.)
 - For the main image, do not display the image. Set background-image property to none and height to 0.



Project Five: Task 1

- For `<table>` selector, do not display any tables. Replace the tables with the alternate text as shown in the screen shot on page 17 (as well as below):

Our Coffees

Our coffees are well-known throughout the region as bold and flavorful. We offer many different types of coffees, one of which is sure to satisfy your taste. Prices start at \$2.00 per cup.

Our Teas

Our teas are hand-selected from around the world to bring you a wide variety of possibilities. We specialize in flavorful afternoon teas as well as a wide assortment of exotic teas. Stop in and try a cup! Prices start \$2.00 per cup.

Our Snacks

We offer a wide variety of foods ranging from simple snacks to complete inners. Our specialties are organic salads and fresh seafood. Try our fried clam strips and fish strips. The locals swear these are the best you'll find anywhere. Prices are seasonal, but always a real deal.





The Lighthouse Bistro

Desktop Version
main page

[Home](#)

[Our Menu](#)

[Entertainment
Schedule](#)

[Reservations](#)

Enjoy Fine Dining and Entertainment at Lighthouse Point

The Lighthouse Bistro offers fine dining and entertainment a stones throw from the Old Mackinac Point Lighthouse on the Straits of Mackinac. The lighthouse was built in 1892 as a sentinel for vessels entering the Straits of Mackinac. Open year round. Yes, even in the winter! Stop in for a mug of one our specialty coffees after your hike.



The Lighthouse Bistro
#27 Lighthouse Road
Mackinac City, Michigan
49701
888-555-5555

- Specialty Coffees and Teas
- Bagels, Muffins, and Organic Snacks
- Clam Strips, Oysters, and Fresh Fish served daily
- Music and Poetry Readings
- Open Mic Night Every Friday starting at 8:00pm

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yourfirstname@yourlastname.com





The Lighthouse Bistro

Tablet Version
main page

[Home](#)[Our Menu](#)[Entertainment Schedule](#)[Reservations](#)

The Lighthouse Bistro
#27 Lighthouse Road
Mackinac City, Michigan 49701
888-555-5555

Enjoy Fine Dining and Entertainment at Lighthouse Point

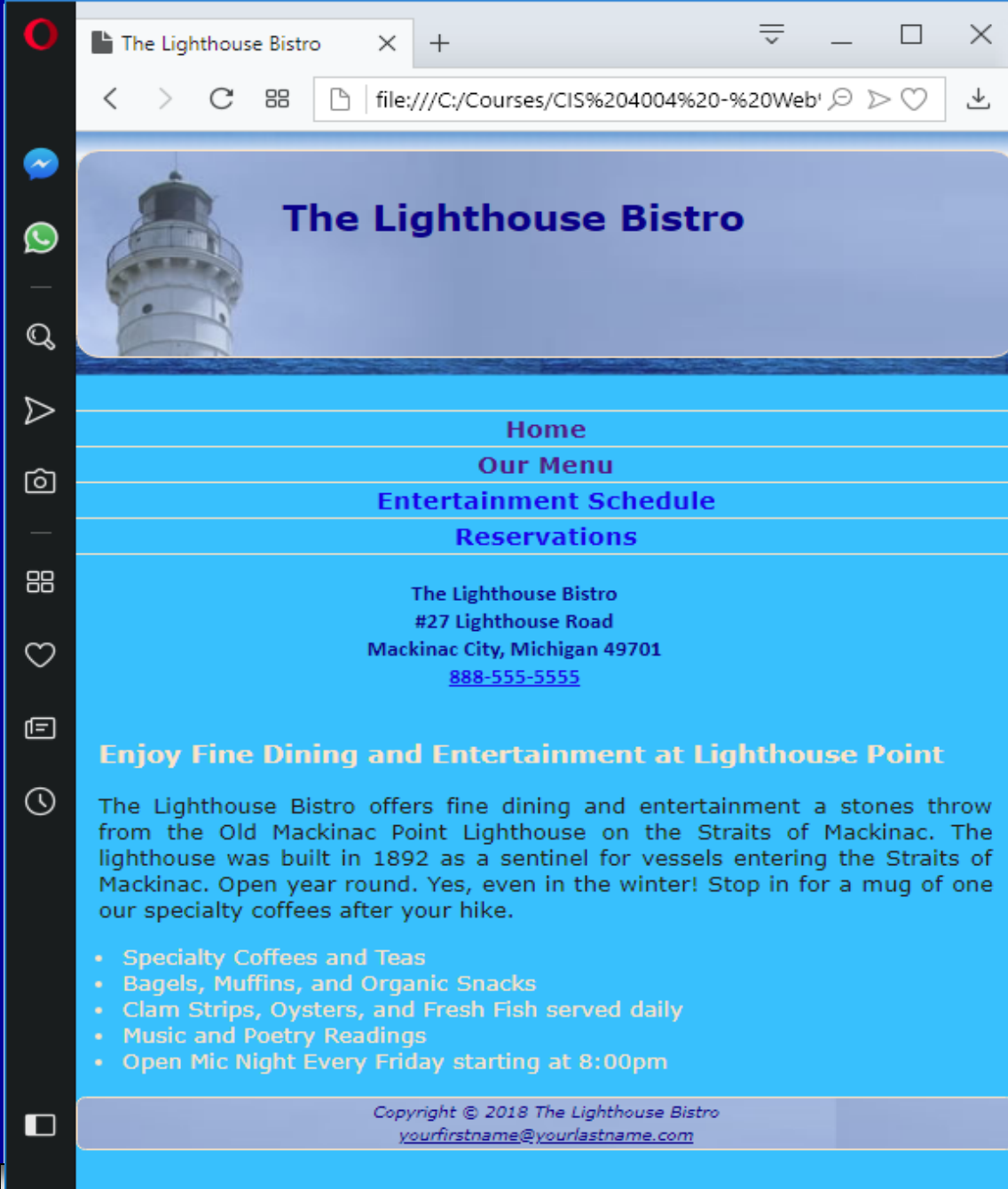
The Lighthouse Bistro offers fine dining and entertainment a stones throw from the Old Mackinac Point Lighthouse on the Straits of Mackinac. The lighthouse was built in 1892 as a sentinel for vessels entering the Straits of Mackinac. Open year round. Yes, even in the winter! Stop in for a mug of one our specialty coffees after your hike.

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yourfirstname@yourlastname.com





Phone Version
main page





The Lighthouse Bistro

Desktop Version
menu page

[Home](#)

[Our Menu](#)

[Entertainment
Schedule](#)

[Reservations](#)

The Lighthouse Bistro
#27 Lighthouse Road
Mackinac City, Michigan
49701
888-555-5555

Some of Our Coffees

Coffee	Description	Price	Image
Just Java	The regular house blend, decaffeinated coffee, or the flavor of the day	Endless cup \$2.00	
Cafe au Lait	House blended coffee infused into a smooth steamed milk.	Single \$2.00, Double \$3.00	
Iced Cappuccino	Sweetened espresso blended with icy-cold milk and served in a chilled glass	Single \$4.75, Double \$5.75, Wow! \$7.75	
Espresso	Our house blend espresso - the best!	Single \$5.00, Double \$7.50	

A Selection of Some of Our Teas

Tea	Description	Price	Image
Breakfast	Delectable English Breakfast, Queen	Endless	





The Lighthouse Bistro

Tablet Version
menu page

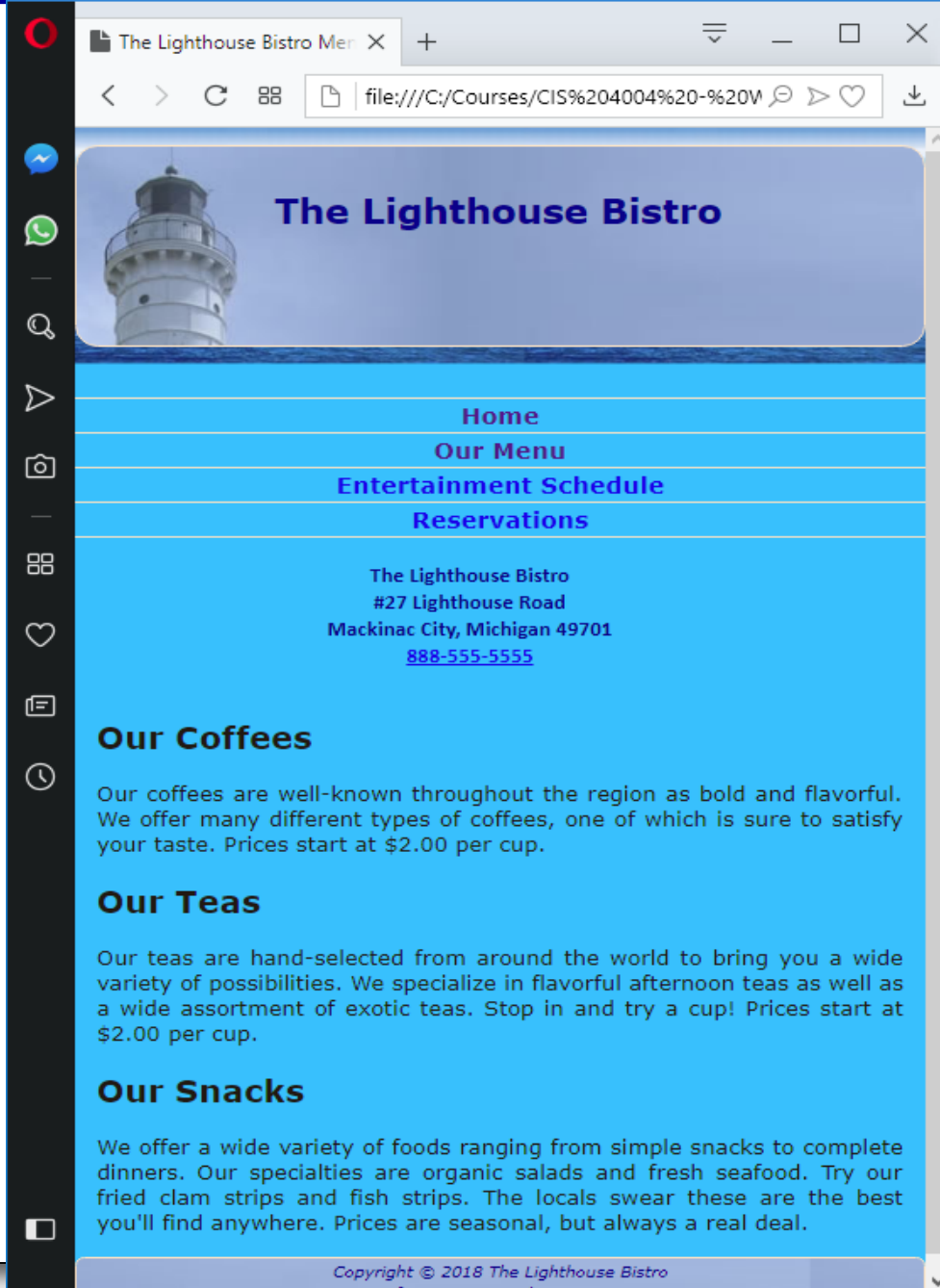
[Home](#) [Our Menu](#) [Entertainment Schedule](#) [Reservations](#)

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Espresso	Our house blend espresso - the best!	Single \$5.00, Double \$7.50	





Phone Version
menu page



Project Five: Task 2

- The second task for this project is to rework the phone number for the Lighthouse Bistro so that on mobile devices the user can tap the phone number and place a call to the restaurant's office. The phone number should display without the link when viewed in the desktop and tablet versions of the site.
- The next two pages illustrates this change.



The Lighthouse Bistro
#27 Lighthouse Road
Mackinac City, Michigan 49701
888-555-5555

Notice normal text for
phone number

The Lighthouse Bistro offers fine dining and entertainment a stones throw from the Old Mackinac Point Lighthouse on the Straits of Mackinac. The lighthouse was built in 1892 as a sentinel for vessels entering the Straits of Mackinac. Open year round. Yes, even in the winter! Stop in for a mug of one our specialty coffees after your hike.

- Specialty Coffees and Teas
- Bagels, Muffins, and Organic Snacks
- Clam Strips, Oysters, and Fresh Fish served daily



A telephone hyperlink is configured using a telephone scheme: Begin the href value with tel: followed by the phone number.

For example:

```
<a href="tel:888-111-2222">Voice 888-111-2222</a>
```

An SMS (short message service) scheme hyperlink is intended to send a text message can be configured similarly: Begin the href value with sms: followed by the phone number.

For example:

```
<a href="sms:888-111-2222"> Text 888-111-2222</a>
```

The Lighthouse Bistro

[Home](#)[Our Menu](#)[Entertainment Schedule](#)[Reservations](#)

The Lighthouse Bistro
#27 Lighthouse Road
Mackinac City, Michigan 49701

[888-555-5555](tel:888-555-5555)

Enjoy Fine Dining and Entertainment at Lighthouse Point

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yourfirstname@yourlastname.com

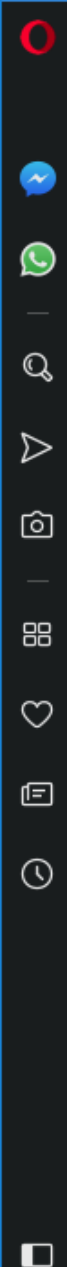


What To Turn In

Place all of the deliverables for this assignment into a folder named Project5. The deliverables for this assignment are to be submitted via WebCourses no later than 11:59pm Sunday November 4, 2018 are:

1. The two valid HTML5 documents containing the semantically correct markup for the `index.html` and `menu.html` pages (40 pts – 20pts for each page).
2. A folder named `images` containing the fifteen images for this project. (5 pts)
3. A document containing screen captures for HTML5 validations (both passing!) (10 pts – 5pts for each valid page).
4. A valid CSS stylesheet named `bistro.css`, with styles defined as outlined in this document. (35 pts).
5. A document containing a screen capture of the validation of the stylesheet (10 pts).





Nu Html Checker

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

Showing results for uploaded file index.html

Checker Input

Show ☐ source ☐ outline ☐ image report Options...

Check by file upload Choose File No file chosen

Uploaded files with .xhtml or .xht extensions are parsed using the XML parser.

Check

Document checking completed. No errors or warnings to show.

Used the HTML parser.
Total execution time 6 milliseconds.

[About this checker](#) • [Report an issue](#) • Version: 18.10.5



The W3C CSS Validation Service

W3C CSS Validator results for bistro.css (CSS level 3 + SVG)

Jump to: [Validated CSS](#)

W3C CSS Validator results for bistro.css (CSS level 3 + SVG)

Congratulations! No Error Found.

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

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>
```

