

# CIS 4004: Web-Based Information Technology

## Spring 2018

Project Two (70 pts)

**Due Sunday February 11, 2018**

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Office Hours: M, W & Th: 1:00-3:00pm  
T: 1:00-2:00pm

Department of Computer Science  
University of Central Florida



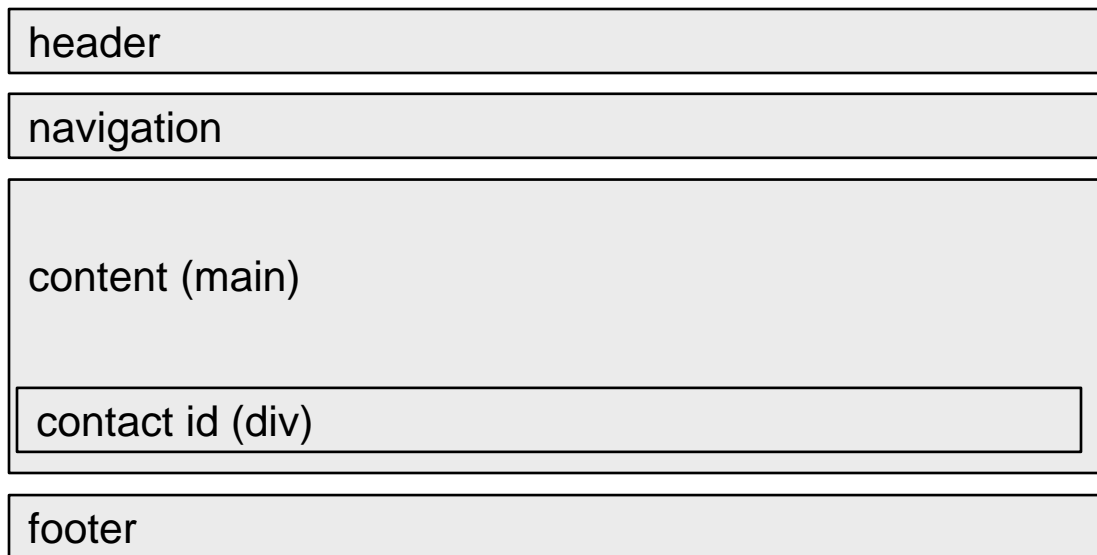
# Project Two

- This assignment has three main objectives:
  - (1) To give you some practice altering an existing webpage.
  - (2) To apply CSS to alter the presentation of a webpage.
  - (4) To begin to work with color schemes for webpages.



# Project Two

- Begin this assignment with the two webpages that you created for Project One. Project One created the main (index) page and a menu page for the Lighthouse Bistro web site.
- The wireframe for each of the two pages you developed in Project One is shown below (note the slight modification for the contact id):



# Project Two: Task 1

- Copy the `index.html` and `menu.html` files from your Project One folder into a new folder named Project Two.
- Your first task for Project Two is to create a valid external style sheet, named `bistro.css`.
- Code the CSS to the following specifications:
  - Select `<body>` elements to have background color `#00BFFF`, text color `#221811`, and font-family Verdana.
  - Select `<h1>` elements to have text color `#FFE4C4` and a line height of 200%.
  - Select `<h3>` elements to have text color `#FFE4C4`.
  - Select `<dt>` elements to have text color `#FFE4C4` and `<dd>` elements to have color `#221811`.



# Project Two: Task 1

- CSS specifications (continued):
  - Define `<footer>` elements to have background color #191970, text color #FFE4C4, font-size = small, font-style = italic, and text-align = center.
  - Define an identifier named `address` that specifies text color #191970 with font-size 13pt, and font-family calibri.
  - Select `<header>` elements to have background color #191970 and align the text in the center.
  - Select `<li>` elements to have color #FFE4C4.
  - Target `<strong>` elements inside `<u>` elements inside `<p>` elements to have color #A52A2A, font-family Calibri, and a font size of 1.4em.
  - Target `<u>` elements inside `<p>` elements to have color #A52A2A.
- Adopt a good organized strategy for your CSS files (we'll discuss this in class).



## Project Two: Task 2

- The second task for this project is to modify the `index.html` markup utilize the CSS found in the `bistro.css` stylesheet.
- Within the markup in `index.html` do the following:
  - If you do not already have a `<div>` element that contains the address and phone number, add one now and assign to it the `id` named `address`.
- After making these changes your main page should look like the one shown on the next slide.

Our color palette for this website is:

#00BFFF - medium blue - used for main page background

#191970 - dark blue - used for banner and footer backgrounds and some text on main background

#221811 - very dark gray/black - used primarily for text

#A52A2A - reddish orange - used for headers for `<dl>` on menu page

#FFE4C4 - sand - used for text in headers and lists



# The Lighthouse Bistro

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## 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 build 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
- Music and Poetry Readings
- Open Mic Night Every Friday starting at 8:00pm

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

888-555-5555

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[yourfirstname@yourlastname.com](mailto:yourfirstname@yourlastname.com)



## Project Two: Task 3

- The third task in Project Two is to apply the `bistro.css` file to the `menu.html` page.
- Do this in the same manner as which you modified the `index.html` page.
- Note: if you did not use description lists for the menu items in the first project, please update your markup to use description lists in this project.
- After applying the stylesheet to this page, your page should look like the one shown on the next slide.
- Please note that I've placed a `menu.txt` file on WebCourses which contains the updated text for the menu page.





# The Lighthouse Bistro

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

## Coffees

### **Just Java**

Regular house blend, decaffeinated coffee, or 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

## Teas

### **Breakfast Teas**

Darjeeling, English Breakfast, Queen Anne, Green Tea with Lemon  
Endless Cup \$2.00

### **Afternoon Teas**

Lemon, Pure Peppermint, Earl Grey, China Oolong,  
Endless Cup \$3.00

### **Exotic Teas**

Orange & Cinnamon Spice, Camomile, Honey & Vanilla, Pomegranate & Raspberry.  
One Cup \$3.50

## Snacks

### **Bagels and Muffins**

Bagels, Plain Muffins, Blueberry Muffins, Chocolate Muffins, and much more  
Small \$2.00 Large \$3.00

### **Organic Snacks**

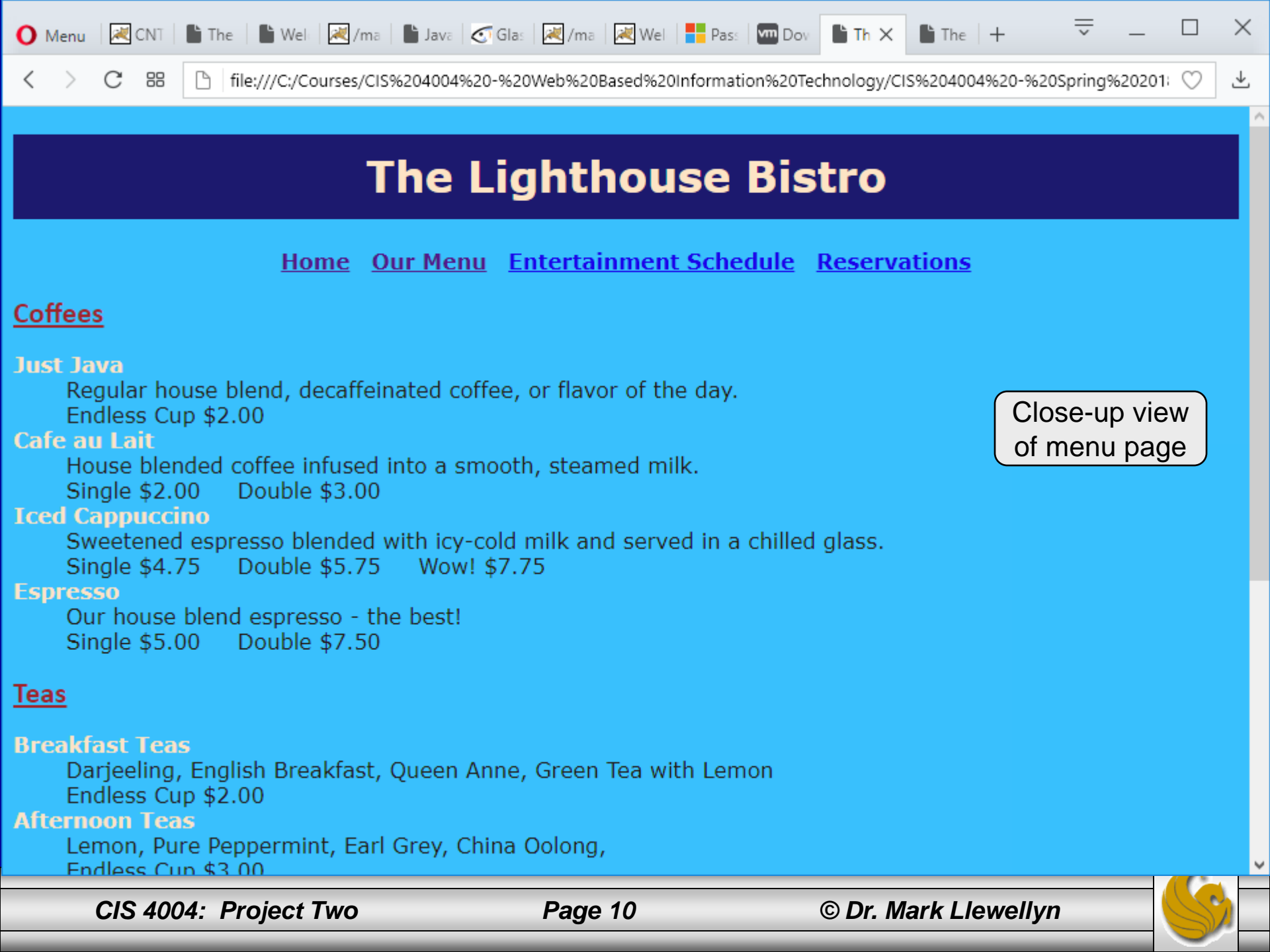
Organic chips with sea salt, Organic salads  
Prices vary

### **Fresh Fish**

Clam Strips, Fried Fish Strip, Fried Oysters, and many other seasonal selections.  
Prices Vary By Season \$5.75-\$15.00

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yourfirstname@yourlastname.com





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Endless Cup \$3.00

Close-up view  
of menu page



# What To Turn In

The deliverables for this assignment are to be submitted via WebCourses no later than 11:59pm Sunday February 11, 2018 are:

1. Two valid HTML5 documents containing the semantically correct markup for the index/home and menu pages. (30 pts – 15pts for each page)
2. A document containing screen captures for both HTML5 validations (both passing!) (10 pts – 5pts for each valid page).
3. A valid CSS stylesheet named bistro.css, with styles defined as outlined in this document. (20 pts).
4. 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](#)

Press the Message Filtering button to collapse the filtering options and error/warning/info counts.

[Message Filtering](#) 17 messages hidden by filtering

#### Warnings (17) · [Hide all warnings](#) · [Show all warnings](#)

- 1 The `<div>` role is unnecessary for element `<div>`. (17) · [Hide all](#) · [Show all](#)
  - 1.1 ☐ The `document` role is unnecessary for element `body`.
  - 1.2 ☐ The `banner` role is unnecessary for element `header`.
  - 1.3 ☐ The `navigation` role is unnecessary for element `nav`.
  - 1.4 ☐ The `link` role is unnecessary for element `a`. (5)
  - 1.5 ☐ The `main` role is unnecessary for element `main`.
  - 1.6 ☐ The `heading` role is unnecessary for element `h3`.
  - 1.7 ☐ The `list` role is unnecessary for element `ul`.
  - 1.8 ☐ The `listitem` role is unnecessary for element `li`. (5)
  - 1.9 ☐ The `contentinfo` role is unnecessary for element `footer`.

Document checking completed. No errors or warnings to show.

Used the HTML parser.





## 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>
```

