CIS 4004: Web-Based Information Technology Spring 2017

Project Four (80 pts)
Due Sunday March 5, 2017

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HEC 236, 407-823-2790
Office Hours: M & W: 2:30-3:20pm
T: 1:00-2:00pm
Th: 1:00-3:00pm

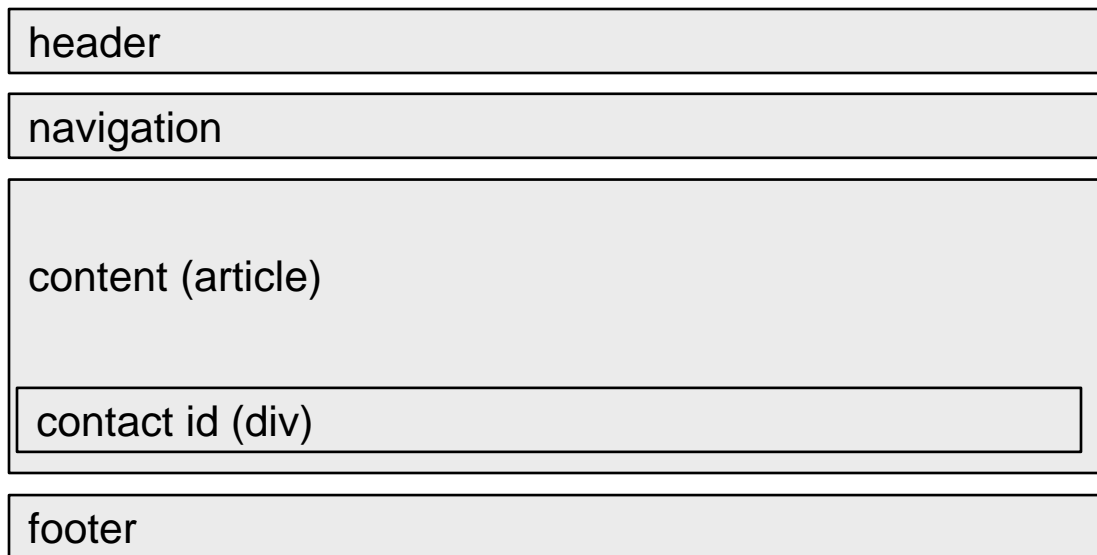Department of Computer Science
University of Central Florida

Project Four

- This assignment has three main objectives:

  (1) To give you some more practice adding images to an existing webpage.

  (2) To apply additional CSS to alter the presentation of a webpage.

  (3) To modify the structure of an existing page.

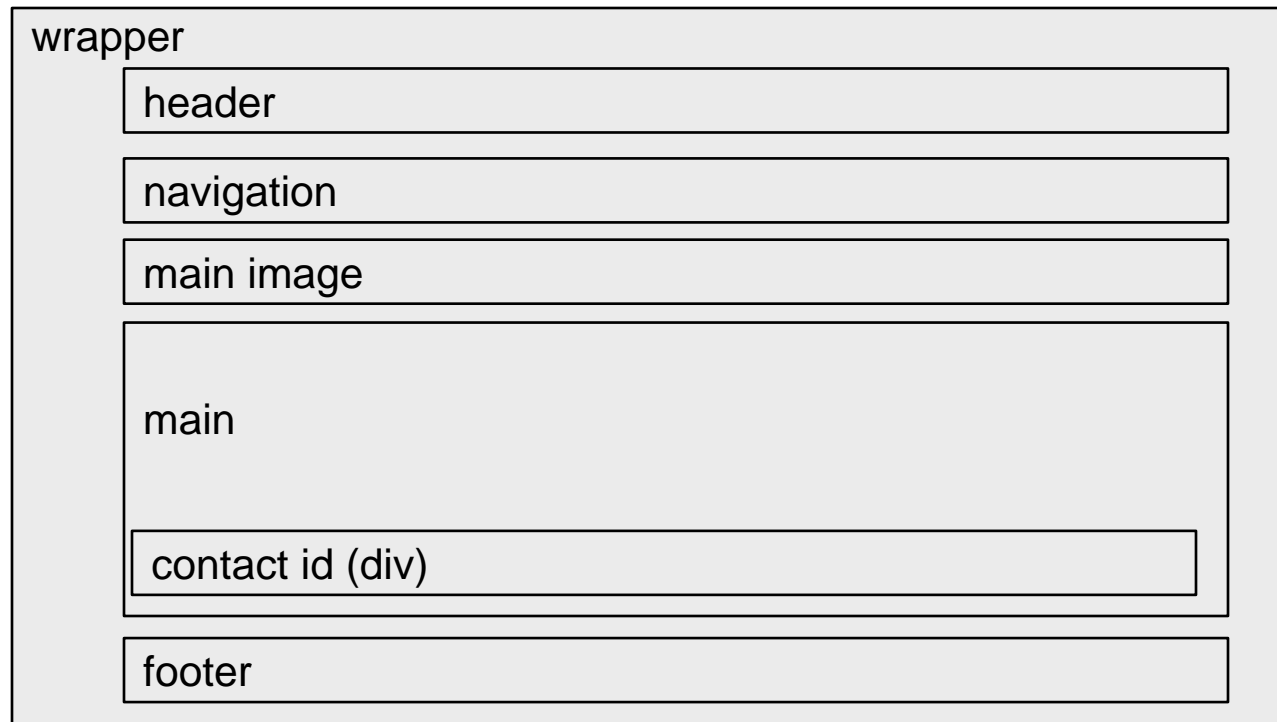- There are five tasks associated with this project.

Project Four

- Begin this assignment with the completed version of Project Three, including the external style sheet and the images folder that you created for that project. Project Three culminated with three webpages and one external style sheet with each page constructed according to the wireframe shown below.

```
┌─────────────────────────────────────────┐
│ header                                   │
└─────────────────────────────────────────┘
┌─────────────────────────────────────────┐
│ navigation                               │
└─────────────────────────────────────────┘
┌─────────────────────────────────────────┐
│                                          │
│ content (article)                        │
│                                          │
│  ┌─────────────────────────────────────┐ │
│  │ contact id (div)                    │ │
│  └─────────────────────────────────────┘ │
└─────────────────────────────────────────┘
┌─────────────────────────────────────────┐
│ footer                                   │
└─────────────────────────────────────────┘
```

Project Four

- In this project you will modify the existing design to produce a new design which is a centered page layout that uses 80% of the browser window with a featured main image on each page. The new layout will be structured with a nested `<div>` approach using CSS. The image below is the wireframe for the new layout.

wrapper

header

navigation

main image

main

contact id (div)

footer

Project Four: Task 1

- Your first task for Project Four is to modify the `atlantic.css` stylesheet. Do not remove any existing declarations unless explicitly instructed to do so.

- Code the CSS to the following specifications:

  - Set the background color of the `<body>` to be a light blue (#90C7E3) linear gradient. Add the necessary style declarations to display a linear gradient from white (#FFFFFF) to the light blue (#90C7E3) with no repetition.

  - Add a new selector for an `id` named `wrapper`. Configure this element to be centered with a width of 80%, white background color, a minimum width of 960px, a maximum width of 2048px, and a 3px offset with a dark (#333333) box shadow.

  - For the `<header>` element, remove any declarations for line height or text indentation. Add declarations to configure 60px height, centered text, and 15px top padding.

Project Four: Task 1

- Continued from previous slide:

  – For `<h1>` elements configure a zero top margin.

  – For `<nav>` elements change the background color to white (#FFFFFF). Add declarations to configure centered text and 10px of padding.

  – Add a `<main>` element selector and create declarations to configure 1px top padding and 20px padding on all other sides. This should replace any `<div>` element that you may currently have in your markup.

  – For `<h2>` elements add declaration to configure 1px offset gray (#CCCCCC) text shadow.

  – For `<footer>` element add a declaration to configure 20px of padding.

  – Add new selector for an `id` named `main-image`. Create declarations to configure 300px height and to display the image `coast-main.jpg` as a background image to fill the space (use `background-size: 100% 100%;`) with no repetition.

  (continued on next page)

Project Four: Task 1

- Continued from previous slide:

    – Add new selector for an `id` named `accommodations-image`. Create declarations to configure 300px height and to display the image `bungalow-main.jpg` as a background image to fill the space (use `background-size: 100% 100%;`) with no repetition.

    – Add new selector for an `id` named `activities-image`. Create declarations to configure 300px height and to display the image `trail-main.jpg` as a background image to fill the space (use `background-size: 100% 100%;`) with no repetition.

- Save and validate the `atlantic.css` stylesheet.

Project Four: Task 2

- Add the following images to your `images` folder inside your Project Four folder.

- Download the images from the WebCourses assignment page into this folder. There are four images to download with the following names:

  - `bungalow-main.jpg`

  - `coast-main.jpg`

  - `trail-main.jpg`

  - `favicon.ico`

- You should now have a total of 9 images in your `images` folder.

- Using the image named `favicon.ico` add a favorites icon to `index.html`, `accomodations.html`, and `activities.html`.
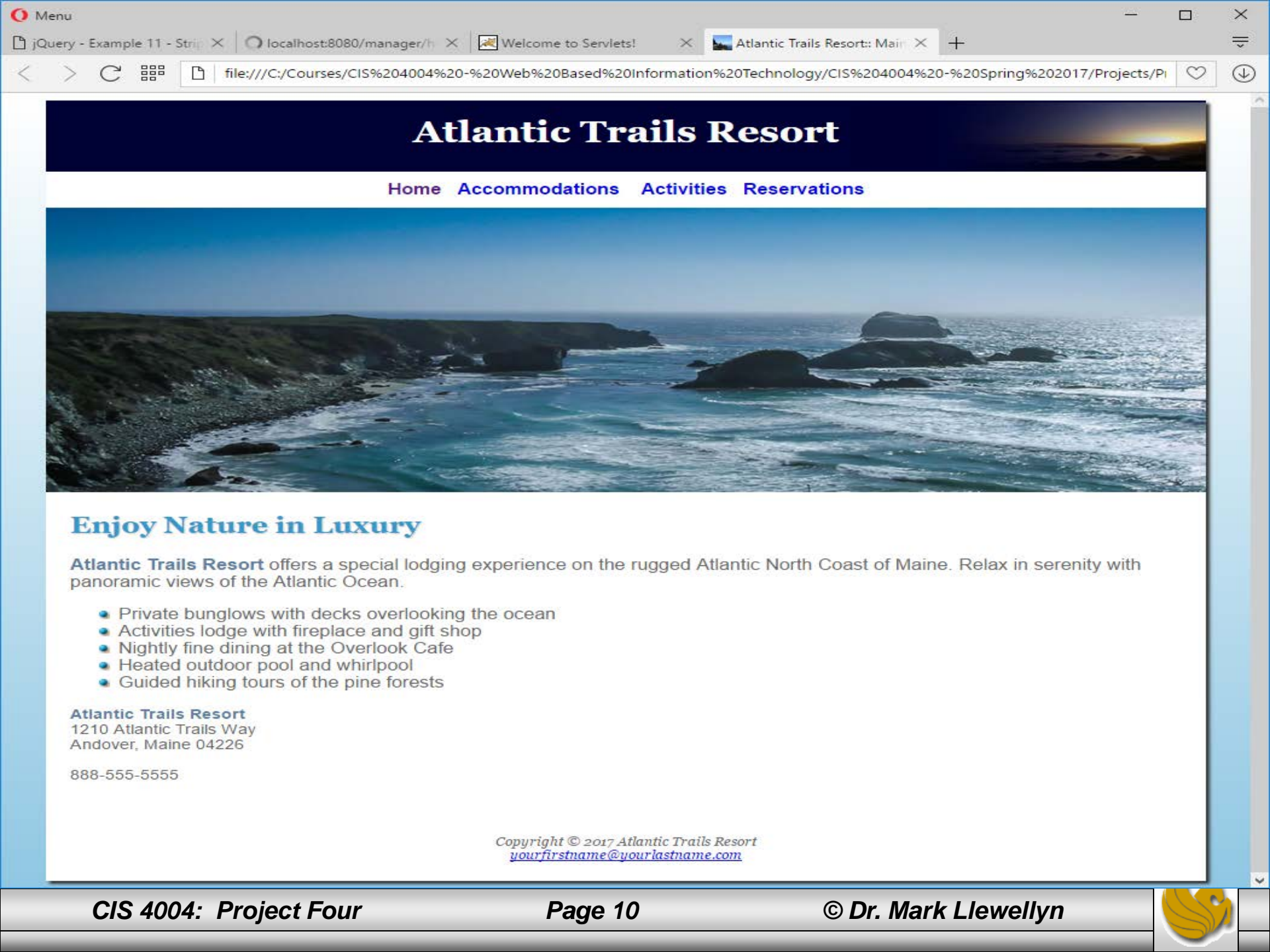
Project Four: Task 3

- Modify the `index.html` (home) page as follows:

  - Add a `<div>` element as shown in the wireframe on page 4. This element should be associated with the id `wrapper`.

  - Configure a `<div>` element associated with the id `main-image` to display the image `coast-main.jpg`.

  - Remove the existing `<img>` element for the `coast.jpg` image.

- After making these changes, your `index.html` page should look very similar to the one shown on the next page.

Project Four: Task 4

- The next task for this project is to modify the `accommodations.html` markup as follows:

  - Add a `<div>` element as shown in the wireframe on page 2. This element should be associated with the id `wrapper`.

  - Configure a `<div>` element associated with the id `accommodations-image` to display the image `bungalow-main.jpg`.

  - Remove the existing `<img>` element for the `bungalow.jpg` image.

- After making these changes your accommodations page should look like the one shown on the next slide.

Atlantic Trails Resort

Home Accommodations Activities Reservations

The Accommodations at Atlantic Trails

What is a bungalow?

Our luxury bungalows are permanent structures four feet off the ground. Each bungalow has canvas walls, a wooden floor, and a roof dome that can be opened.

How are the bungalows furnished?

Each bungalow is furnished with a queen-size bed with down quilt and gas-fired stove. The luxury camping experience also includes electricity and a sink with hot and cold running water. Shower and restroom facilities are located in the lodge.

What should I bring?

Bring a sense of adventure and some time to relax! Most guests also pack comfortable walking shoes and plan to dress for changing weather with layers of clothing.

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yourfirstname@yourlastname.com

Project Four: Task 5

- The final task in Project Four is to modify the `activities.html` page to look like the other two pages.

- Modify the `activities.html` markup as follows:

  - Add a `<div>` element as shown in the wireframe on page 2. This element should be associated with the id `wrapper`.

  - Configure a `<div>` element associated with the id `activities-image` to display the image `trail-main.jpg`.

  - Remove the existing `<img>` element for the `trail.jpg` image.

- After making these changes your activities page should look like the one shown on the next slide.

◯ Menu

jQuery - Example ✕ | localhost:8080/m ✕ | Welcome to Serv ✕ | Atlantic Trails Res ✕ | Atlantic Trails Res ✕ | Atlantic Trails Res ✕ | +

< > C ⊞ | 🗋 file:///C:/Courses/CIS%204004%20-%20Web%20Based%20Information%20Technology/CIS%204004%20-%20Spring%202017/Projects/P♡ ♡

Atlantic Trails Resort

Home   **Accommodations**   **Activities**   **Reservations**

Activities at Atlantic Trails

Hiking

Atlantic Trails Resort has 5 miles of hiking trails and is adjacent to a state park. Go it alone or join one of our guided hikes.

Kayaking

Ocean kayaks are available for guest use.

Bird Watching

While anytime is a good time for bird watching at Atlantic Trails, we offer guided birdwatching trips at sunrise several times a week.

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What To Turn In

Place all of the deliverables for this assignment into a folder named Project4. The deliverables for this assignment are to be submitted via WebCourses no later than 11:59pm Sunday March 5, 2017 are:

1. The three valid HTML5 documents containing the semantically correct markup for the index/home, accommodations, and activities pages (30 pts – 10pts for each page).

2. A folder named `images` containing the nine images for this project. (5 pts)

3. A document containing screen captures for HTML5 validations (all three passing!) (15 pts – 5pts for each valid page).

4. A valid CSS stylesheet named atlantic.css, with styles defined as outlined in this document. (20 pts).

5. A document containing a screen capture of the validation of the stylesheet (10 pts).