CIS 4004: Web-Based Information Technology Spring 2019

Project Six (100 pts)
Due Monday April 22, 2019

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HEC 236, 407-823-2790
Office Hours: M & W: 2:20-3:30pm, 4:30-5:00pm
T & Th: 10:30am-12:00pm

Department of Computer Science
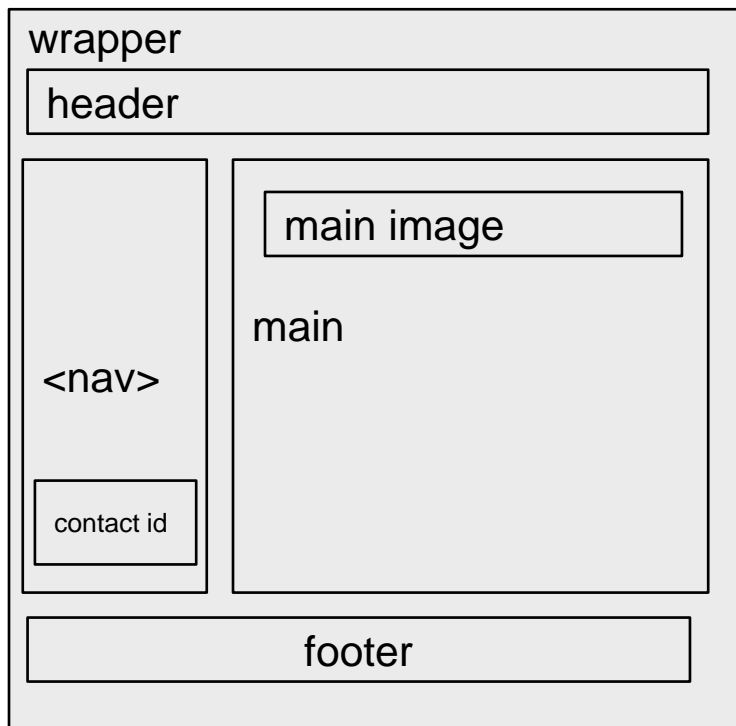University of Central Florida

Project Six

- This assignment has two main objectives:

1. Add JavaScript functionality to your website with both native JavaScript and jQuery.

2. Add video and audio to your website(1) To add media queries to your pages so that the pages will adapt to different types of devices.

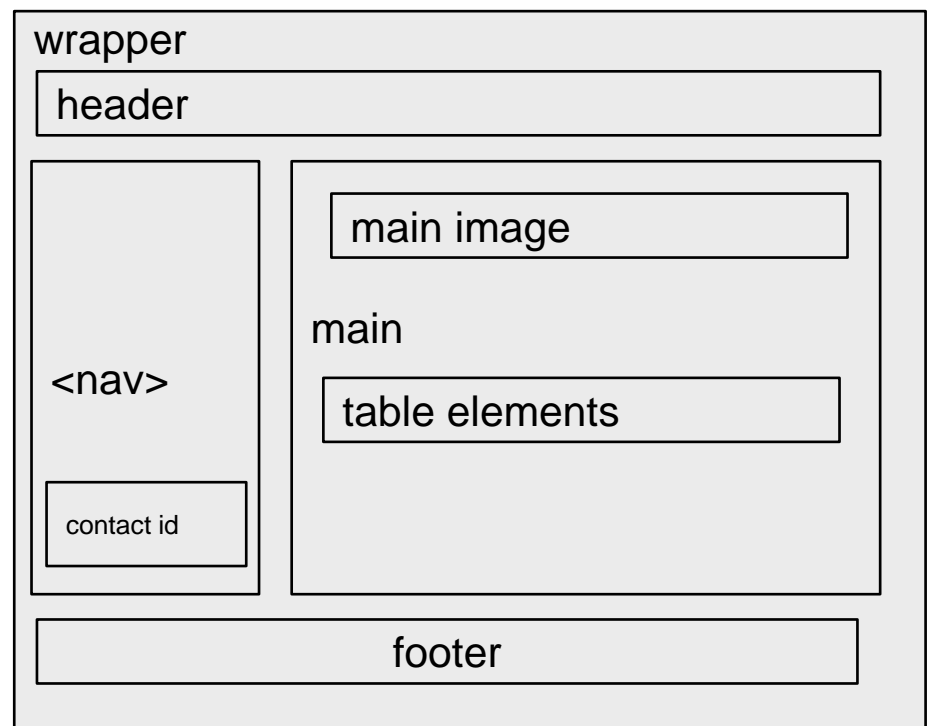   There are 2 tasks associated with this project.

Project Six

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

wrapper
header

main image

main

<nav>

contact id

footer

index page

wrapper
header

main image

main

<nav>

table elements

contact id

footer

accommodations, activities, and reservations pages

Project Six: Task 1

- Your first task for Project Six is to add the Entertainment page to the website.

- The entertainment page will have the same wireframe layout as the other pages in your website. The main content will differ in that it will contain the entertainment schedule for upcoming events at the resort.

- This page is intended to provide a preview, for guests of the resort, of upcoming entertainment.

- I've added three additional images to the images folder for the project and two different audio files, using different formats, to be used for this page. As of yet, I have not found a good video file for this group, but will continue searching and we may add video as well. I will cover audio/video techniques in class, so unless you already know how to do this – save this part for last.

- The new images for this page are: coast.jpg, rondo4.jpg, and rondo6.jpg.

- The audio files are: 13Incontro.mp3, and Pulcinella.wav.

- The Entertainment Schedule page will look like that shown on the next slide when you finish it.

The Atlantic Trails Resort Entertainment/Concert Schedule

We have some very special concerts coming up next month. You won't want to miss these. Schedule your reservations now. Each concert begins at 8pm and will run approximately 2 hours in length. All concerts are in the main hall.

May 1st - 10th - Nightly

Rondo Veneziano - Baroque period music. Fascinating period costumes. Listen to Incontro.

May 15th - 20th - Nightly

Rondo Venziano - Group2 - The second touring group of this chamber orchestra. Incredible music. Listen to Pulcinella.

Navigation

Home

Accommodations

Activities

Reservations

Entertainment Schedule

Atlantic Trails Resort
1210 Atlantic Trails Way
Andover, Maine 04226

888-555-5555

Copyright © 2019 The Lighthouse Bistro
yourfirstname@yourlastname.com
Today is: Thu Apr 11 2019 12:36:58 GMT-0400 (Eastern Daylight Time)

Project Six: Task 2

- Your third task for Project Six is to create an external JavaScript file that will contain the JavaScript and jQuery that will provide the functionality described below.

1. Write a native JavaScript function (native JavaScript not jQuery) that is invoked on each page in your website that displays the current date and time below your name in the footer area of each page.

2. Write a JavaScript function using jQuery (not native JavaScript) to provide an alternate color scheme for table rows when the user's mouse hovers over any cell in a row. The alternate color scheme should not be applied if the user hovers over an element in the header row of a table. There are tables in the accommodations and activities pages of our website.

3. Write the native JavaScript function (not jQuery) that displays the number of characters the user has left to type in the Comments box on the reservation form.

- The functionality of each of these functions is shown on the following pages (I'll also demonstrate in class).
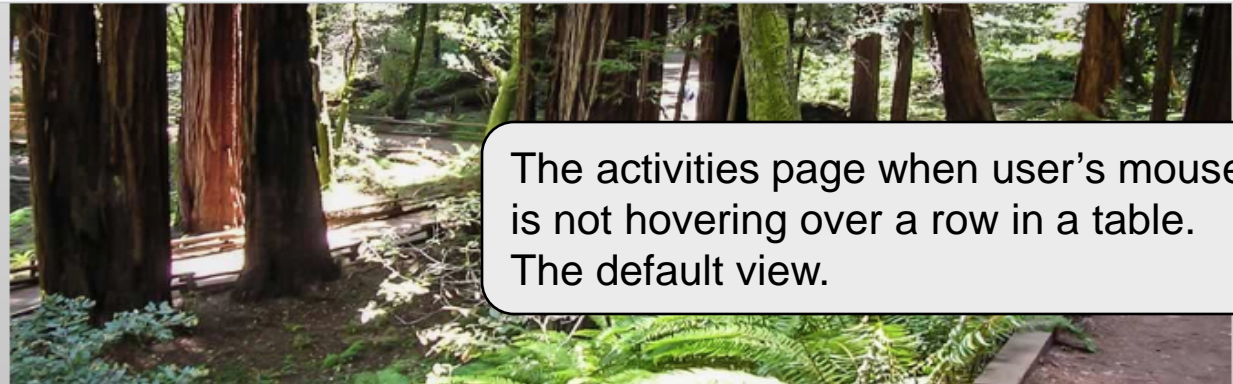
Atlantic Trails Resort

Home

Accommodations

Activities

Reservations

Entertainment
Schedule

Atlantic Trails Resort
1210 Atlantic Trails Way
Andover, Maine 04226

888-555-5555

Enjoy Nature in Luxury

Atlantic Trails Resort offers a special lodging experience on the rugged Atlantic North Coast of Maine. Relax in serenity with panoramic views of the Atlantic Ocean.

- Private bungalows with decks overlooking the ocean
- Activities lodge with fireplace and gift shop
- Nightly fine dining at the Overlook Cafe
- Heated outdoor pool and whirlpool
- Guided hiking tours of the pine forests

Date and time are displayed at the bottom of the footer on every page.

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yourfirstname@yourlastname.com
Today is: Thu Apr 11 2019 12:14:39 GMT-0400 (Eastern Daylight Time)

The activities page when user's mouse is not hovering over a row in a table. The default view.

Activities at Atlantic Trails

Hiking

Atlantic Trails Resort has 15 miles of hiking trails and is adjacent to a state park. Go it alone or join one of our guided hikes. The table below lists some of our guided hikes and their departure times from the main office. Sign-up in the office for any or all of the hikes during your stay at Atlantic Trails. Our guides will point out many interesting features and landmarks during your hike.

Tour Start Time	Description	Guide	Time
6:00 am	2 mile hike on the upper ridge - watch the sun rise.	Stephanie	2 hours
8:00 am	4 mile hike in the state park. Transportation leaves from main office.	Roger or Stephanie or Heidi	3 hours
9:30 am	12 mile hike in the state park and along the coast. Transportation leaves from main office.		6 hours
1:00 pm	6 mile hike over the full trail and the beach head. Some light climbing.	Stephanie or Heidi	4.5 hours

Kayaking

Ocean kayaks are available for guest use. The table below provides a summary of our kayaks. Be sure of your kayaking skills. Check the links to identify your skill level. If you have any questions, please contact Dave in the main office.

Kayak Type	Description	Skill Level
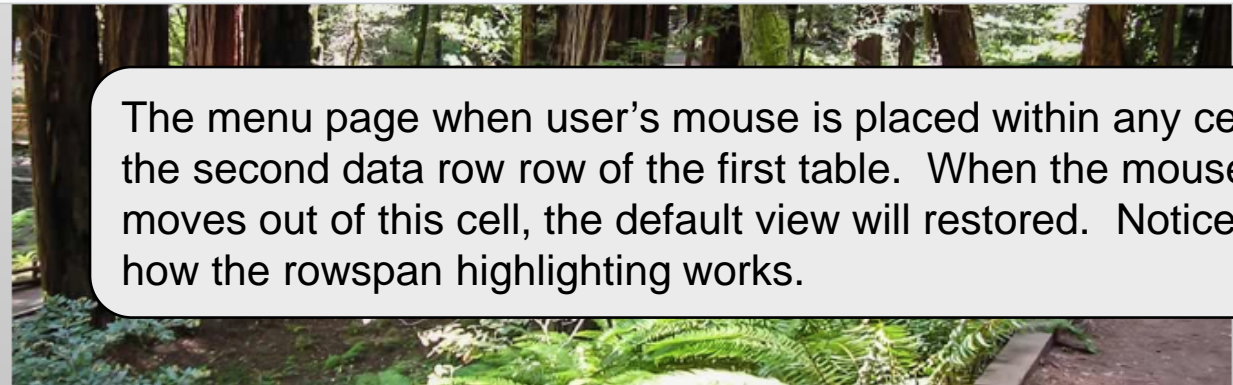
The menu page when user's mouse is placed within any cell in the second data row row of the first table. When the mouse moves out of this cell, the default view will restored. Notice how the rowspan highlighting works.

Number of characters available in the Comments box. It is a 2 row x 32 column box, so 64 characters initially. This line is created and modified by JavaScript. Other than a placeholder in the markup for the JavaScript to target, there is nothing in the markup.

Atlantic Trails Resort

rvations at Atlantic Trails Resort

ct Us Today To Plan Your Next Vacation

d fields are marked with an asterisk *

*First Name:

*Last Name:

*E-mail:

Phone:

Atlantic Trails Resort
1210 Atlantic Trails Way
Andover, Maine 04226

888-555-5555

Date: mm / dd / yyyy

Time: -- : -- --

Number of Nights:

*Comments:

Message limit 64 characters

Submit

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yourfirstname@yourlastname.com

After entering 51 characters, the line has been modified to indicate only 13 characters are left. This is done in "real-time" by JavaScript so each "keyup" event within the Comment box will update this line.

User has entered 64 characters into the Comments box. Zero characters are now available.

Atlantic Trails Resort

Reservations at Atlantic Trails Resort

Home

Accommodations

Activities

Reservations

Entertainment Schedule

Atlantic Trails Resort
1210 Atlantic Trails Way
Andover, Maine 04226

888-555-5555

Contact Us Today To Plan Your Next Vacation

Required fields are marked with an asterisk *

*First Name:

*Last Name:

*E-mail:

Phone:

Date: mm / dd / yyyy

Time: -- : -- --

Number of Nights:

*Comments:
Id' like bungalow 4 if it is available.
I've stayed there before

0 of 64 characters left

Submit

User attempts to enter a 65th character. It will not be accepted into the textarea due to its 64 character restriction and the JavaScript function gets a bit more emphatic changing the font color, size and bold.

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yourfirstname@yourlastname.com
Today is: Thu Apr 11 2019 12:23:06 GMT-0400 (Eastern Daylight Time)

Project Six: Task 2

- All functionality from the previous projects should carry through into this project, meaning that the media queries should still apply to each page.

- You can use a locally hosted version of jQuery for development purposes, but when you submit your assignment documents use the Goggle CDN. Use the snippet below to link to this CDN:

  http://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js

What To Turn In

Place all of the deliverables for this assignment into a folder named Project6. The deliverables for this assignment are to be submitted via WebCourses no later than 11:59pm Monday April 22, 2019 are:

1. The five valid HTML5 documents containing the semantically correct markup for the index/home, accommodations, activities, and reservations pages (30 pts – 6pts for each page).

2. A folder named `images` containing the thirteen images for this project, and a folder named `audio` containing the two audio files (4 pts).

3. A document containing screen captures for HTML5 validations (all five passing!) and the CSS validation (passing) (6 pts – 1pt for each valid page).

4. A valid CSS stylesheet named `atlantic.css`, with styles defined as outlined in this document and carrying through from all previous projects. (20 pts).

5. Your external JavaScript file (with commenting) that contains all of the native JavaScript and jQuery necessary to implement the JavaScript functionality as defined in this document (45 pts).