

CIS 4004: Web-Based Information Technology

Spring 2015

Homework Assignment #4 (100 pts)
Due Sunday March 29, 2015

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HEC 236, 407-823-2790
Office Hours: M&W 1:00-3:00pm, T&Th 10:30am-12:30pm

Department of Electrical Engineering and Computer Science
Computer Science Division
University of Central Florida



Homework Assignment #4

- This assignment has four main objectives:
 - (1) To give you some practice creating multiple page websites.
 - (2) To further practice page layout and page styling properties of CSS3. You'll be creating a fluid centered layout for this project.
 - (3) To utilize some of the new HTML5 form elements we discussed in class.
 - (4) To develop a website that we will utilize in the next couple of assignments.
- I've placed several different image files for you to use for this layout on the course website as well as WebCourses.



HTML For Assignment #4

- For this assignment you create a website that contains four different pages.
 - An index/home page.
 - A page titled Activities.
 - A page titled Accomodations. This page contains a table.
 - A page titled Reservations. This page contains a form.
- You will create an overall theme for your site and each page will be styled in the same manner with the overall theme.
- Each page will contain at least one image, not including the background image.
- The Reservations page will contain a form. This form will link to a simple PHP script. I'll provide you the script, but it will not reside on a server (we'll do that later), but it does need to have a back button to return the user to the webpage.



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Search

Atlantic Trails Resort


Home

Accommodations

Activities

Reservations

Enjoy Nature in Luxury



Atlantic Trails Resort offers a special lodging experience on the 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

Atlantic Trails Resort
1210 Atlantic Trails Way
Andover, Maine 04226

888-555-5555


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yourfirstname@yourlastname.com

The index/home page

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Page 4

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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.

Bungalow Packages

A variety of luxury bungalow packages are available. Choose a package below and contact us to begin your reservation. We're happy to build a custom package just for you!

Package Name	Description	Nights	Cost per Person
Weekend Escape	Two breakfasts, a trail map, and a picnic snack.	2	\$450
Zen Retreat	Four breakfasts, a trail map, a picnic snack, and a pass for the daily sunrise Yoga session.	4	\$600
Kayak Away	Two breakfasts, two hours of kayak rental daily, and a trail map.	2	\$500


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The accommodations page

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Page 5

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Atlantic Trails Resort

Home
Accommodations
Activities
Reservations

Activities at Atlantic Trails



sunrise several times a week.

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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

The activities page



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Atlantic Trails Resort

- Home
- Accommodations
- Activities
- Reservations

Reservations at Atlantic Trails

Contact Us Today!

Required fields are marked with an asterisk *

*First Name:

*Last Name:

*E-mail:

Phone:


Arrival Date:

Nights:

*Comments:

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1210 Atlantic Trails Way
Andover, Maine 04226
888-555-5555

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The reservations page

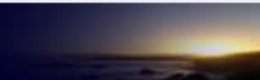


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Atlantic Trails Resort



Home
Accommodations
Activities
Reservations

Reservations at Atlantic Trails

Contact Us Today!

Required fields are marked with an asterisk *

*First Name:

*Last Name:

*E-mail:

Phone:

Arrival Date:

Nights:

*Comments:

Atlantic Trails Resort
1210 Atlantic Trails Way
Andover, Maine 04226
888-555-5555

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yourfirstname@yourlastname.com



Opera

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Atlantic Trails Resort

We will be contacting you soon!

Here is the information you entered:

Back

Since the script is not running on a server, no information from the form was extracted hence the blanks.

The back button would return the user to the reservations page.



Opera


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Atlantic Trails Resort

- Home
- Accommodations
- Activities**
- Reservations

The Accommodations at Atlantic Trails Resort



Notice that the link elements color changes as the users mouse hovers over a link. Hint: CSS pseudo-classes.

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.

Bungalow Packages

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Homework Assignment #4

- The main pages all use the same background image. I used the `ptrbackground.jpg` for these pages.
- Notice that the background images for the four main pages are different than that of the PHP script. The PHP script should have a different CSS styling its background than the main pages. I used the `background.jpg` for this.
- The Reservations page form must include the shown required fields. In other words, the submit button is not active until all required form fields contain valid data.
- The Reservations page form must include a date selector for the arrival date and a number selector for the number of nights the guest will be staying. Notice that the arrival date also includes a placeholder.



Homework Assignment #4

- The table border on the Accommodations page is styled using CSS. Do not use the deprecated `<table border="1">` tag.
- Notice how the text flows around the images on the various pages. We discussed the correct techniques for this in the CSS notes.
- For this project, you'll have two CSS style sheets, one for the four main pages and one for the PHP page.
- Use semantically correct markup, as you've been doing all semester.
- Notice the use of italics, various font sizes and styles throughout the pages.



Homework Assignment #4

- The header of all the pages uses the `sunset.jpg` image file.
- All site links must work to allow the user to move from page to page within the site.
- All markup pages must validate using the W3C HTML validator. Both style sheets must validate using the W3C CSS validator.
- **Do not use any inline or embedded styles for this assignment. Use only external style sheets.**
- **Do not use any absolute positioned elements.**
- Include at least four appropriate ARIA landmark roles in your markup. These can occur on any page of markup. Be correct and consistent with their use.



Homework Assignment #4

- Since we are not actually putting the PHP script onto a server for it to execute, we'll be simulating its behavior by simply invoking it from the reservations form when the user clicks the Submit button.
- You will need to create the PHP file (it will contain no actual PHP, just HTML in this case), and style it appropriately as shown.
- The way to activate the BACK button on this page is also via a form and the code that you will need is shown below:

```
<form action="#">
```

```
<input type="button" value = "Back" onclick="javascript:history.go(-1)" />
```

```
</form>
```



What To Turn In

The deliverables for this assignment are to be submitted via WebCourses no later than 11:59pm Sunday March 29, 2015 are:

1. Four valid HTML5 documents containing the semantically correct markup for the index/home, accommodations, activities, and reservations pages. Each of these pages is to be a fluid-centered layout. (50 pts)
2. Two valid CSS external style sheets, one with styles for the four main pages, and one that contains the styles for the PHP script for the reservations form. (25 pts)
3. A document containing screen captures for all HTML5 validations and CSS validations (all six passing!) (10 pts)
4. Screen shots, showing each page in your website rendered in a browser (four shots), plus the PHP script page executed (see page 9), plus any additional screen shots that you would like to provide illustrating your website in action . (15 pts)

