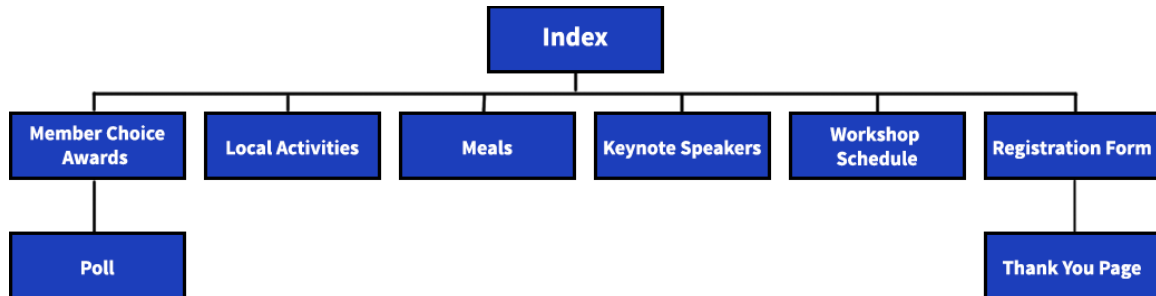


Regis University CC&IS
CS336 Web Programming
Assignment 4: Conference Web Site

Program Requirements

Using the idea from Assignment 1, create a conference website for a fictional two-day conference that has the following structure.



You may include any other topics of interest as long as the required pages are created.

Steps for Completing the Assignment

Setup of Pages

Read all the instructions in this section for the setup of pages before creating a page.

1. Create a new project in WebStorm. Call it *lastname-Assn4* (e.g. Smith-Assn4)
2. Create the main page and eight sub-pages and name them:
 - index.html
 - awards.html
 - activites.html
 - meals.html
 - keynote.html
 - workshopschedule.html
 - registration.html
 - poll.html
 - thankyou.html

Hint

Again, create a page that acts as a template and simply create copies and rename each one. Make sure to include the meta elements in the template and then edit them for each page.

Each page should contain **meta elements** for:

- keywords
- description
- author

- robots
- charset encoding (utf-8)

Each page should have a customized title using the <title> element in the <head> section.

Each page should have a **header** element (containing a **nav** element), a **main** element, and a **footer** element. (Note: A header section is not the same as the <head> element in the code.)

Every page should have header comments at the top of it directly under the doctype statement, which include the following information.

- Student's name
- Date created
- Brief description

This is done using the HTML comment tags.

```
<!--      Name: Angus Endicott
          Assignment: CS336 Assignment #4
          Created: 1/1/2016
          Description: The index page of the conference site.  -->
```



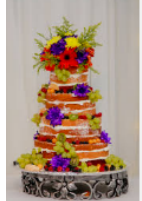
In the nav area, add links to each of the sub-pages except thankyou.html and poll.html pages. The header area containing the navigation should appear on every page of the site.

Specific Information on Each Page

3. Create an external css document to be used with the site. Name it webdefault.css. All styles should be put in this document. No internal (or inline) css is allowed on this assignment. (Any css included must be hand written. Do not include css copied from other sites.)
4. On the index.html page:
 - Add a title and one paragraph description of conference (This title is not the <title> element for the page, but rather a content title for the information the user will see.) Use an h1 element for the title.
 - Date of conference
 - At least one photo/image appropriate to the conference or location
 - Add contact information in the footer area. Use the address element.

On the awards.html page:

- Add a **table** containing the items or people being voted on, a description of each and an image. The table should include headers for each column. It should contain three entries. Here is an example layout. However, the requirements can be met with other layouts.

Entry	Title	Description
	Cake #1	4-tier retirement and nature cake
	Cake #2	4-tier travel cake
	Cake #3	multi-tier flower cake

- Add a link to the poll.html page
5. On the poll.html page:
 - Add a statement explaining that the poll is coming soon.
 6. On the activites.html page:
 - Add a **list** of at least three activities that conference attendees can do outside the conference itself. (For example, golfing, museum tours, etc.)
 - Add a **video** to this section promoting one of the activities. Pull the video from YouTube or another web source. (We are allowed to do this for educational purposes.)
 7. On the meals.html page:
 - Add a menu. Include two days worth of meals: breakfast, lunch, and dinner for each day.
 - The dinner on the second day can be purchased independently for \$75.00. Or, the entire meal package, including the dinner, can be purchased for \$225.00. These prices should be noted on the page.
 - Include at least two **images** that are of appropriate size and type.
 - Place each day in its own **div** element. The page will contain, minimally, two div elements when completed.
 - Use **css** to position the **divs** appropriately.
 - Here is one possible layout. However, it is only an example. It can be done differently and still fulfill the requirements.



Menu Day 1

Breakfast
Rolls, Fruit, Coffee

Lunch
Sandwiches, Tea, Water

Dinner
Steak, Salad, Wine



Menu Day 2

Breakfast
Rolls, Fruit, Coffee

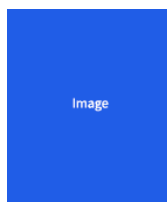
Lunch
Sandwiches, Tea, Water

Dinner
Fish, Salad, Wine

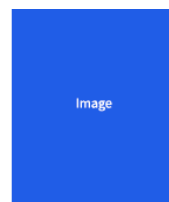
Full Meal Package: \$250.00 (includes Dinner Day 2)
Dinner Day 2: \$75.00

8. On the keynote.html page:

- Add information about two keynote speakers. The following items should be included:
 - i. Photos
 - ii. First name and last name
 - iii. Brief description of speaker
- Each speaker should be contained in a **div** element. The page will contain, minimally, two div elements.
- Use **css** to position the **divs** side by side.



First Name, Last Name
Description of speaker
including any relevant
information



First Name, Last Name
Description of speaker
including any relevant
information

9. On the workshopschedule.html page:

- Using a **table**, create a schedule for workshops over the two-day conference. The table should include the following information:

Workshop Session, Topic, Speaker, Room/Location, Time

There will be two sessions on the first day and one session on the second day. Each session will have three workshops. Use the workshop titles you created in Assignment 1. Here is an example of the expected layout:

Day	Session	Workshop Title	Speaker	Room	Time
Day 1	Session 1	Workshop A	Mr. Smith	Room 1A	1:00 p.m. – 3:30 p.m.
		Workshop B	Ms. Jackson	Room 1B	1:00 p.m. – 3:30 p.m.
		Workshop C	Mrs. Jones	Room 1C	1:00 p.m. – 3:30 p.m.
	Session 2	Workshop D	Mr. Smith	Room 1A	9:00 a.m. - noon
		Workshop E	Ms. Jackson	Room 1B	9:00 a.m. - noon
		Workshop F			
		Workshop D	Mrs. Jones	Room 1C	9:00 a.m. - noon
Day 2	Session 3	Workshop G	Mr. Smith	Room 1A	1:00 p.m. – 3:30 p.m.
		Workshop H	Ms. Jackson	Room 1B	1:00 p.m. – 3:30 p.m.
		Workshop I	Mrs. Jones	Room 1C	1:00 p.m. – 3:30 p.m.

10. On the registration.html page:

- Using a **form**, create a registration page for the conference. It should contain a section for basic registration information, a section for workshop selection, and a section for billing information. Include the following information:

Field	Type of Form Field
Title (Mr., Ms., Mrs....or others as would make sense at your conference)	Select (Dropdown)
First Name	Text (required)
Last Name	Text (required)
Address line 1	Text (required)
Address line 2	Text
City	Text (required)
State	Select (Dropdown) Find on the web....do not recreate. (required)
Zip Code	Text (required)
Telephone	Text (tel) (required)
Email Address	Text (email) (required)
Company Website	Text (url)
Position with Company	Text (required)
Name of Company	Text (required)
Do you want to purchase the meal pack? Do you want to purchase just the Day 2 Dinner?	Radio button group (required) Do not set a default selection.
Billing First Name	Text (required)
Billing Last Name	Text (required)

Card type	Radio buttons: Visa, Mastercard, American Express
Card number	Text (required)
Card Security Value (CSV)	Text (required)
Expiration date Year	Text (required) 4 characters
Expiration date Month	Text (required) 2 characters
Session 1 Workshop	Radio buttons (group session1)
Session 2 Workshop	Radio buttons (group session2)
Session 3 Workshop	Radio buttons (group session3)

Workshop Registration – Create an area on the form for all the workshops and a way for people to select what they want to take. Use radio button groups to do this. Each session will be its own group of three radio buttons. They are required.

- Make sure the field lengths are set where appropriate. Do not let it default.
- Include HTML form field validation. In addition to the “required” validation, some fields will need additional validation. Some fields will use patterns alone, but other fields may need additional field attributes. (You’ll need to decide which ones.) The patterns needed for those are shown below.

Field	Type of Validation	Pattern
Title (Mr., Ms., Mrs....or others as would make sense at your conference)		
First Name	Only characters (no symbols or numbers), required	[a-zA-Z]+
Last Name	Only characters and hyphens allowed (no other symbols or numbers), required	[a-zA-Z\ -]+
Address line 1	Only characters including spaces and numbers (no symbols other than #), required	[a-zA-Z0-9\ \#]+
Address line 2	Only characters including spaces and numbers (no symbols other than #), required	[a-zA-Z0-9\ \#]+
City	Only characters including spaces (no symbols or numbers), required	[a-zA-Z\]+
State	required	
Zip Code	Numbers and hyphen	[0-9]{5}\-[0-9]{4}

	only, required (This field will be character, not integer.)	
Telephone number	Tel, required	[0-9]{3}-[0-9]{3}-[0-9]{4}
Email address	Email, required	([A-Za-z0-9_\-\.])+\@([A-Za-z0-9_\-\.])+\.[A-Za-z]{2,4})
Company website	Url	
Position with Company	Only characters including spaces and numbers (no symbols other than #), required	[a-zA-Z0-9\ \#]+
Name of Company	Only characters including spaces and numbers (no symbols other than #), required	[a-zA-Z0-9\ \#]+
Do you want to purchase the meal pack? Yes/No	Radio button group, required	
Do you want to purchase just the Day 2 Dinner? Yes/No	Radio button group, required	
Billing First Name	Only characters (no symbols or numbers), required	[a-zA-Z]+
Billing Last Name	Only characters (no symbols or numbers), required	[a-zA-Z\ -]+
Card type	Radio button group, required	
Card number	Text, numbers only, 16 max length, required (We will assume all cards have 16 digits for this assignment.)	[0-9]{16}
Card Security Value (CSV)	Text, numbers only, 4 max length, required (We will assume all cards have 4 digit CSV values for this assignment.)	[0-9]{4}
Expiration date year	Text, numbers only, 4 max length, required, greater than last year	[2][0]([1-2][6-9])
Expiration date month	Text, numbers only, 2 max length, required, between 1 and 12, inclusive	(0[1-9] 1[0-2])

Session 1 Workshop	Each session must have one workshop chosen.	
Session 2 Workshop	Each session must have one workshop chosen.	
Session 3 Workshop	Each session must have one workshop chosen.	

- Add custom placeholder text to the text fields
- Create custom messages that appear when the user hovers their mouse over the field
- Add a submit button.
- Set the form method to GET. The action attribute will be set to `thankyou.html`.

11. On the `thankyou.html` page:

- Add appropriate text to the page thanking the user for their registration.

12. Use WebStorm's "Inspect Code" command to make sure that the code validates and is free of errors.

13. Test the site in Chrome and Firefox, both at full size (desktop). Then, in Chrome, test the site at these mobile sizes:

360 x 640 (Phone)

768 x 1024 (Ipad or tablet)

14. Take a screenshot of each and store the images in a folder inside the project called "screenshots". (You'll need to create this folder.) There should be four screenshots submitted.

Submission

This programming assignment is due by midnight of the date listed on the Assignments page.

Zip all the files that comprise the project and submit the file to the "Assignment 4: Conference Website HTML/CSS" dropbox (located under the Dropbox tab in the online course).

Before submitting your program file, you **MUST** re-name it as follows:

Lastname-Assn4.zip

For example: Smith-Assn4.zip

To submit your assignment, complete the following steps:

1. Click on **Dropbox** in the course Navigation bar.
2. Click on the **Assignment 4: Conference Website HTML/CSS** link in the Folder List.
3. Click on the **Add a File** button
4. In another window on your computer, browse to the zipped file you created.
 - a. Drag and drop the file to the area within the dotted lines.

5. Click on the **Add** button
6. Click on the **Submit** button.
7. You will receive a **Confirmation email** for the submission.

Grading

The rubric that will be used to grade your program is linked on the same assignments page from which you downloaded this file.

WARNING: *Programs submitted more than 5 days past the due date will **not** be accepted, and will receive a grade of 0. This will be strictly enforced.*