CSCI 202 - Dynamic Web Pages

Winter 2019

Laboratory 2

Objectives

1. Create the Contact page: contact.html
2. Create the Gallery page: gallery.html
3. Modify the Contact page with the external style sheet.
4. Modify the Gallery page using the images provided in the images folder.
5. Configured external stylesheet with variables.

You are welcome to use your book as a resource as well as online lectures. Feel free to email your TA or instructor if you have questions about the lab.
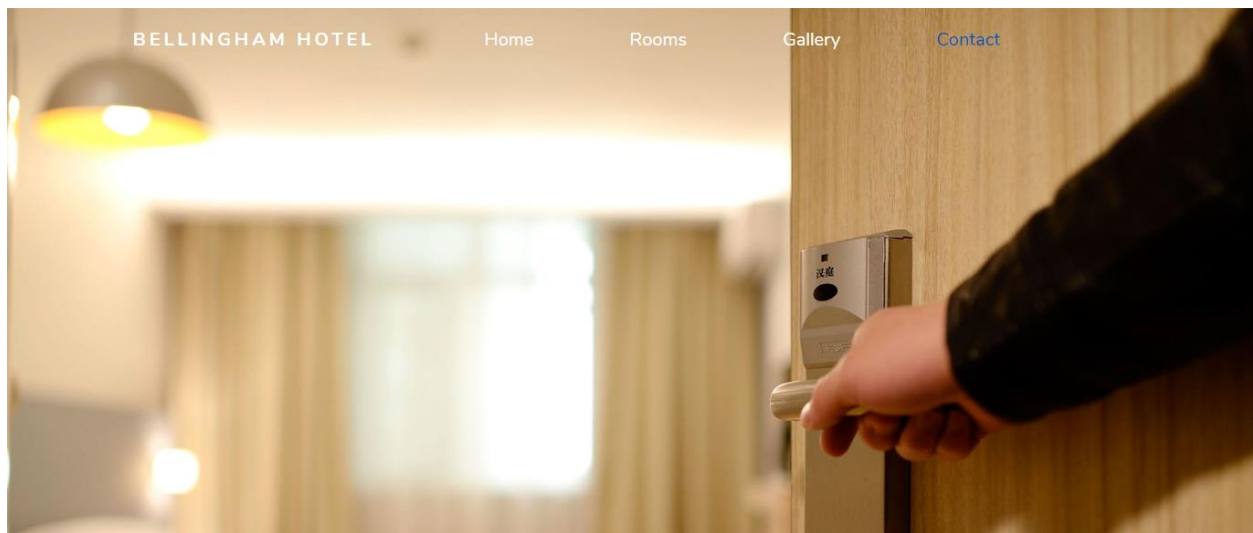
READ ALL THE INSTRUCTIONS CAREFULLY.

a. Create a new folder naming it **Lab2** in your secret folder.
b. Open Visual Studio Code and create a basic page by either following the instructions for Lab1 or using the templates for Lab1.
c. Copy all your files from the Lab1 folder into Lab2 folder. Download the new images on CANVAS.

Task 1: THE CONTACT PAGE. Create the Contact page shown in the figure below.

Launch Visual Studio Code, and open the index.html file in the lab2. Save the file as contact.html. Modify the contact.html to look similar to the Contact page shown below.

a. **sideleft div.** Remove all html elements in div with class name *sideleft*.

1. **H2 element**. Code an h2 element selector with class name *heading* with text "Contact Form".
2. **P element**. Code a p element selector with a lorem ipsum text.

3. **P element**. Code an <img> tag (img_1.jpg) with an attribute width 100% and an alt text "Read More Images".

4. **sideright div**. remove all html elements in div with class name *sideright.*

5. **Form**. Code a form element with class name *contactform* that uses the post method and the action must be empty.

6. **Input Elements.**

   i. **Configure the control for the name information**. Create a label element that contains the text "Name". Create a text box named *name* and an id *name*. Use the *for* attribute to associate the label element with the form control.

   ii. **Configure the form control for the Phone information**. Create a label element that contains the text "Phone". Create a text box named *phone* and an id *phone*. Use the *for* attribute to associate the label element with the form control.

   iii. **Configure the form control for the Email information**. Create a label element that contains the text "Email". Create an input type="email" named *email* and an id *email*. Use the *for* attribute to associate the label element with the form control.

   iv. **Configure the Write Message on the form**. Create a label element that contains the text "Write Message". Create a textarea element named *message* and an id *message* with rows set to 10 and cols set to 30. Use the *for* attribute to associate the label element with the form control.

   v. **Configure the submit button.** Code an input element with type="submit" and value="Send Message". Assign the input element to a class="button".

   vi. Code an ending </form> tag on a blank line after the submit button.

Contact Form

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Minus illo similique natus, a recusandae? Dolorum, unde a quibusdam est? Corporis deleniti obcaecati quibusdam inventore fuga eveniet! Qui delectus tempore amet!

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Task 2: THE GALLERY PAGE. Create the gallery page shown in the figure below. Launch Visual Studio Code, and open the rooms.html file in the lab2. Save the file as gallery.html. Modify the gallery.html to look similar to the Gallery page shown below.

1. **Rooms div.** Remove all the html elements in the rooms div and rename the *rooms* class *container-gallery.*

2. **Twelve (12) divs**. Code a twelve (12) separately with class names *item.*

```
<div class="item"></div>
```

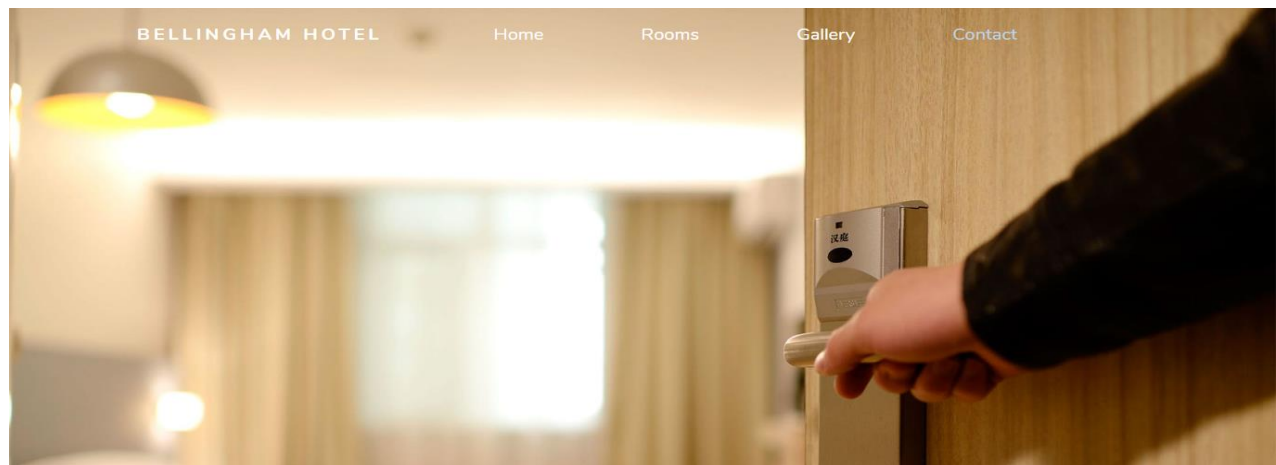3. **Gallery images.** Add <img> tags inside the divs specifying the various images downloaded from CANVAS.

```
<div class="item"><img src="gallery (1).jpeg" alt=""></div>
```

Task 3: THE CONTACT PAGE STYLESHEET. Modify the external style sheet (main.css) Open main.css in Visual Studio Code. Configure CSS an indicated below:

1. Configure a class multiple selectors with *contactform input[type="text"], contactform input[type="email"], contactform textarea* that sets display block; width 100%; padding 0.375rem 0.75rem; font size 1rem; line-height 1.5; color #495057; background-color var (--white-color); background-clip padding-box and border 1px solid #ced4da.

2. Configure a selector for a class selector *contactform* that sets width 70% and padding-bottom 4em.

Task 4: THE GALLERY PAGE STYLESHEET. Modify the external style sheet (main.css). Configure CSS indicate below:

1. Configure a selector for a class selector item that sets width 330px; display inline-block; margin 1rem; position relative; box-shadow 0 1px 3px rgba(0,0,0,0.12), 0 1px 2px rgba(0,0,0,0.24) and transition: all 0.3s cubic-bezier(.25,.8,.25,1);

2. Configure a selector for a parent child class selector item>img that sets width 100% and height 100%.

3. Configure a selector for a pseudo class item>img:hover that sets box-shadow: 0 8px 16px rgba(0,0,0,0.25), 0 5px 5px rgba(0,0,0,0.22); and cursor: pointer;

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Task 5: CSS VARIABLES. Configure the stylesheet with global variables.

1. Code a pseudo-class *:root* style declaration. Set a custom property names starting with two dashes. –white-color: #FFFFFF !important; --main-color: #697e83 and –display-style;

2. Use the var( ) function to replace the values with the custom properties. For example:

```
nav a{
    padding: 1em 2.5em;
    display: var(--display-style);
    color: var(--white-color);
}
```

Task 6: Turning in your Work.

To complete the lab, submit your URL for the exercise. Your URL should be:

http://myweb.students.wwu.edu/~(login name)/CS202/(secret folder)/Lab2/index.html

Replacing (login name) with your login name and (secret folder) with your secret folder name.

- If your login name is themysd and your secret folder is WonderWoman, then the web address for your page is:

http://myweb.students.wwu.edu/~themysd/CS202/WonderWoman/Lab2/index.html

- Note, if you double-click the file you saved in the folder directly, a web page will appear beginning with file://. This is the wrong web address; your TA and your instructor will NOT have access to your work through this address.

All work should be turned in as a Canvas URL submission. I recommend double-checking that your submission is complete. Incorrect/broken/nil URL submissions will be treated as per late policy, incurring a 10% penalty per 24-hour period. Any changes made to the assignment between the due date and grading time will result in a 0 on the assignment. For subsequent labs, copy over the previous lab's files prior to making any modifications such that grave mistakes will not be made.

Points Breakdown

Correctly created the Contact page: contact.html – **4 points**

Correctly created the Gallery page: gallery.html – **4 points**

Correctly modified the Contact page with the external style sheet. – **5 points**

Correctly modified the Gallery page. – **5 points**

Correctly configured external stylesheet with variables. – **2 points**