

**CSCI 202 - Dynamic Web Pages**

**Fall 2020**

**Laboratory 5**

**Objectives**

1. Configure an external JavaScript file.
2. Validate the contact form in the contact.html
3. Validate the subscription forms in all pages.
4. Validate the modal form in the rooms.html

You are welcome to use in-class examples 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.**

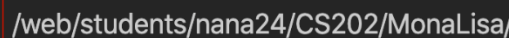
**Task 0: Setup Lab 5**

- a. Open Visual Studio Code and connect to the SSH server.
- b. After you are connected, you'll be in an empty window. You can always refer to the Status bar to see which host you are connected to.



```
> SSH: linux.cs.wvu.edu
```

- c. Open your secretfolder on the remote SSH server using **File > Open > File/Folder**

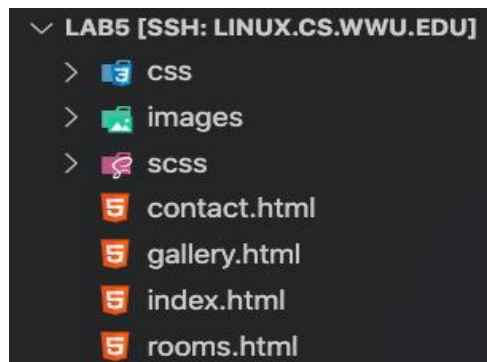


```
/web/students/nana24/CS202/MonaLisa/
```

- d. Copy and Paste **Lab4**, renaming it **Lab5**. Download the new images on **CANVAS**.
- e. Open your **Lab5** on the remote SSH server using **File > Open > File/Folder**.



```
/web/students/username/CS202/secretfolder/Lab5
```



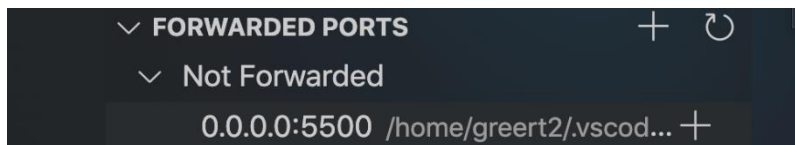
- f. Click on **Watch Sass** and **Go Live** at the bottom of the VS Code status bar.



- g. Now click on Remote Explorer ( Ctrl + Shift + E ) on the Activity Bar.



- h. Click on Forward Port in the FORWARDED PORTS and click on open in browser icon to launch in the browser.



### Task 1: CONFIGURE AN EXTERNAL JAVASCRIPT FILE.

- Launch Visual Studio Code and open the **index.html** file in the lab5. Create a new folder named **js** in lab5 folder. Create an external javascript file named main.js in the js folder.
- Configure a `<script>` tag at the bottom of all the **.html** pages.

```
<script src="js/main.js"></script>
```

- Configure another `<script>` tag at the bottom of the **contact.html** page.

```
<script src="js/contact.js"></script>
<script src="js/main.js"></script>
```

**Task 2: VALIDATE THE CONTACT FORM IN THE CONTACT.HTML.** The data entered needs to be in the right format. If field is empty, the function alerts a message, and returns false, to prevent the form from being submitted.

- Configure the contact form with the following HTML attributes:
  - action named **hotelcontact.html**, method **POST**, class named **contactform** and **autocomplete**.
- Configure the following script codes in the **contact.js**

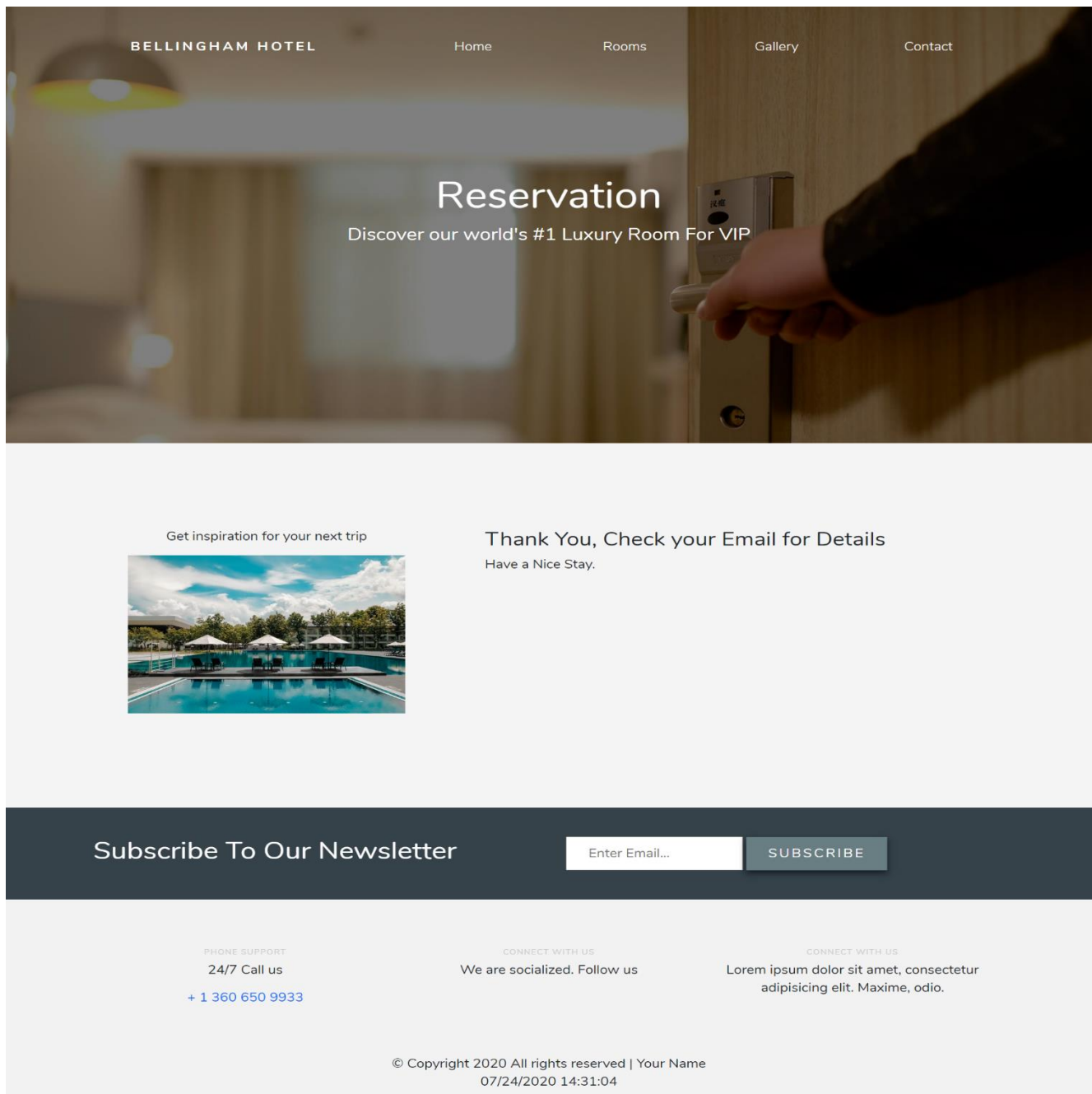
```

1  const form = document.querySelector('.contactform');
2
3  form.addEventListener('submit', e => {
4      e.preventDefault();
5
6      const name = form.name.value;
7      const phone = form.phone.value;
8      const email = form.email.value;
9
10     if (name == '') {
11
12         alert("Enter a Valid Name!");
13         form.name.style.borderColor = "red";
14         return false;
15     }
16
17     if (phone == '') {
18
19         alert("Enter a Valid Phone Address!");
20         form.phone.style.borderColor = "red";
21         return false;
22     }
23
24     if (email == '') {
25
26         alert("Enter a Valid Email Address!");
27         form.email.style.borderColor = "red";
28         return false;
29     }
30
31     form.submit();
32 }

```

**a. Create and configure a hotelcontact.html page using gallery (2).jpeg.** On submit, form-data is sent to a file named "hotelcontact.html" (to process the input):

- 1.** Open contact.html and rename as hotelcontact.html.
  - a. Change the banner Text to "Reservation". Discover World's #1 Luxury Room For VIP.
  - b. Modify the class named sideleft with a paragraph "Get inspiration for your next trip". And an image using gallery (1).jpeg.
  - c. Modify the class named sideright with an h2 "Thank You, Check your Email for Details". And a paragraph "Enjoy Your Stay"

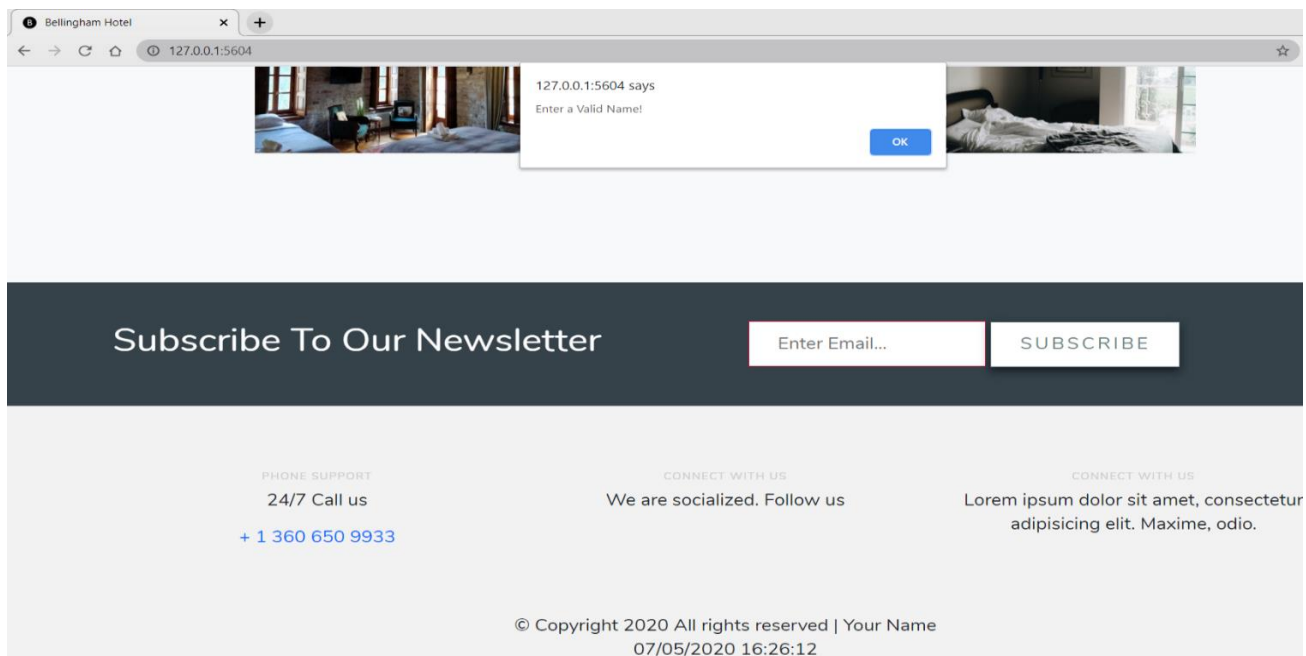


**Task 3: VALIDATE THE SUBSCRIPTION/NEWSLETTER FORMS IN ALL PAGES.** The data entered needs to be in the right format. If field is empty, the function alerts a message, and returns false, to prevent the form from being submitted.

- a. Configure all the `subscription/newsletter` form with the following HTML attributes:
  1. action named `newsletter.html`, method `POST`, class `feedback` and `autocomplete`.
  2. Configure the input element for the newsletter/subscription with an id attribute named `subscribe`.

b. Configure the following script codes in the `main.js`.

```
2  // newsletter
3
4  const form1 = document.querySelector('.feedback');
5
6  form1.addEventListener('submit', e => {
7      e.preventDefault();
8
9      const sub = form1.subscribe.value;
10     if (sub == '') {
11
12         alert("Enter a Valid Name!");
13         form1.subscribe.style.border = "1px solid crimson";
14         return false;
15     }
16     form1.submit();
17 });
```

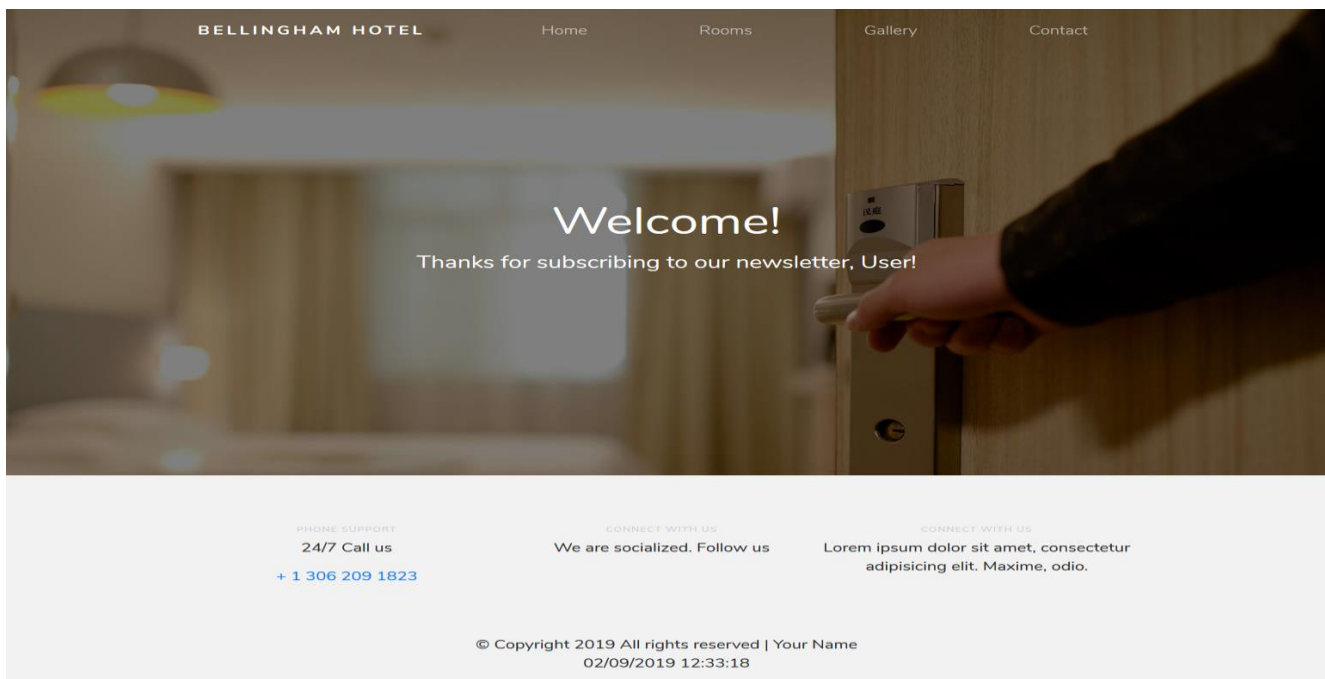


c. Create and configure the `newsletter.html` page.

1. Open `contact.html` and rename as `newsletter.html`.

a. Change the banner Text to "Welcome". Thanks for subscribing to our newsletter, User!.

b. Remove the section with `newsletter class`.



#### Task 4: VALIDATE THE MODAL FORM IN THE ROOMS.HTML.

b. Configure the book form with the following HTML attributes:

1. Configure the form with **action** named **booknow.html**, class named **formBook** method **POST** and **autocomplete**.

a. Configure a `<script>` tags at the bottom of the rooms.html

```
<script src="js/book.js"></script>
<script src="js/main.js"></script>
```

c. Code the following separately in the new **js** file named **book.js**

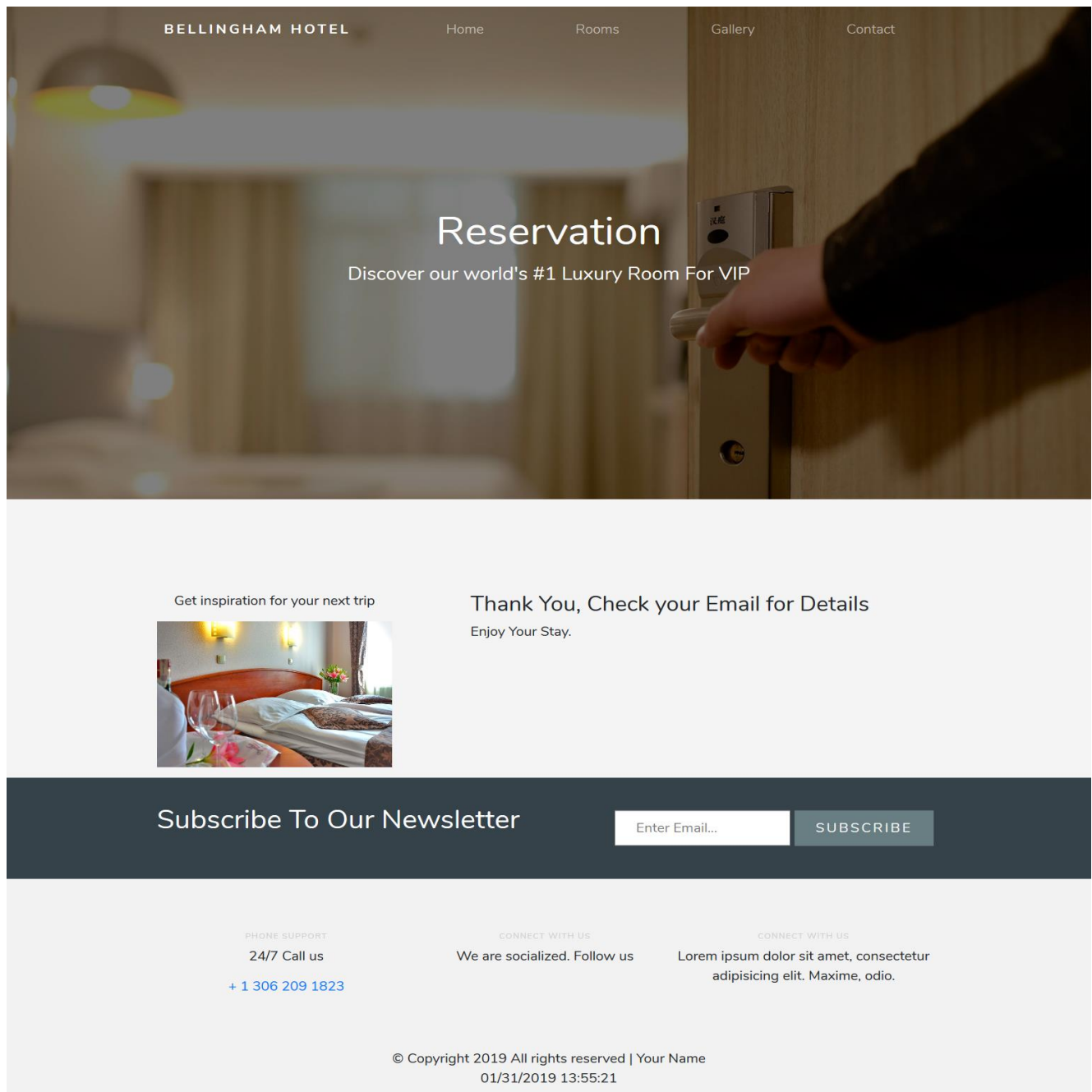
```
1  const forms = document.querySelector('.formBook');
2
3  forms.addEventListener('submit', e => {
4    e.preventDefault();
5
6    const bookDate = forms.bookDate.value;
7    const bookDated = forms.bookDated.value;
8    const bookEmail = forms.bookEmail.value;
9    const bookMessage = forms.bookMessage.value;
10
11    if (bookDate == '') {
12      alert("Enter a Valid Arrival Date!");
13      forms.bookDate.style.borderColor = "red";
14      return false;
15    }
16  }
```

```
16     if (bookDated == '') {
17         alert("Enter a Valid Departure Date!");
18         forms.bookDated.style.borderColor = "red";
19         return false;
20     }
21     if (room == '') {
22         alert("Room Field Must Not Be Empty!");
23         forms.room.style.borderColor = "red";
24         return false;
25     }
26
27     if (guest == '') {
28         alert("Enter a Valid Guest!");
29         forms.guest.style.borderColor = "red";
30         return false;
31     }
32
33     if (bookEmail == '') {
34         alert("Enter a Valid Email Address!");
35         forms.bookEmail.style.borderColor = "red";
36         return false;
37     }
38
39     if (bookMessage == '') {
40         alert("Message Field Must Not Be Empty");
41         forms.bookMessage.style.borderColor = "red";
42         return false;
43     }
44
45     forms.submit();
46
47 });
```

**a. Create and configure a booknow.html page using gallery (1).jpeg.** On submit, form-data is sent to a file named "booknow.html" (to process the input):

**1.** Open contact.html and rename as booknow.html.

- a. Change the banner Text to **"Reservation". Discover World's #1 Luxury Room For VIP.**
- b. Modify the class named `sideleft` with a paragraph **"Get inspiration for your next trip"**. And an image using `gallery (1).jpeg`.
- c. Modify the class named `sideright` with an h2 **"Thank You, Check your Email for Details"**. And a paragraph **"Enjoy Your Stay"**.





**Task 5: Code this in the footer.**

```
<script>
    var date = document.lastModified;
    document.write(date);
</script>
```

**Task 6: Turning in your Work.**

To complete the lab, submit your **URL/zipped** folder for the exercise.

**The last date for submission of Lab assignment is 11:59pm Saturday October 31, 2020.**

**Points Breakdown**

Correctly created and linked main.js – **2 points**

Correctly configured and validated contact form with hotelcontact.html. **6 points**

Correctly configured and validated subscription form with newsletter.html. **6 points**

Correctly configured and validated modal form with booknow.html – **6 points**