

CSCI 202 - Dynamic Web Pages

Winter 2019

Laboratory 3

Objectives

1. Modify all pages with a navigation using unordered list and configure the style rules in the main.css
2. Modify the Gallery page stylesheet using CSS3 grid layout.
3. Configure heroimage with title text.
4. Modify style.css and code a media query for tablet display.

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.

- a. Create a new folder naming it **Lab3** in your secret folder.
- b. Open Visual Studio Code and **Lab3** folder
- c. Copy all your files from the Lab2 folder into Lab3 folder.

Task 1: THE NAVIGATION ON ALL PAGES. Modify the nav element selector.

Launch Visual Studio Code, and open the index.html file in the lab3.

a. Nav element selector. Remove all html elements in nav replacing with class unordered list.

1. ul element. Code a ul html element tags with class name *menu*.

2. li elements. Code four `` tags within the ul element.

3. Anchor elements. Code anchor tags with relative hyperlinks to the various pages. For examples:

```
<li><a href="index.html">Home</a></li>
```

b. Configure the nav CSS. Code the following new styles within the **main.css**.

1. Configure the **nav ul** selector. Set margin to 0, padding to 0, display to flex, justify-content to space-around and text-align to center.
2. Configure the **nav li** selector. Set list-style to none and padding to 1em 0.
3. Configure the **nav a** selector. Set the color to var(--white-color), font-weight to 300, opacity to 0.6, text-decoration to none and transition to 0.3s all ease.
4. Configure the **nav a:hover** pseudo class. Remove padding and display property and set the opacity to 1 and color to var(--white-color).

Task 2: MODIFY THE GALLERY STYLESHEET. Code the following new styles for the Gallery page.

1. Remove the style rules for the class named container-gallery and set display to grid, grid-template-columns to 1fr 1fr 1fr, grid-template-columns to repeat(auto-fill, minmax(250, 1fr)), justify-item to center, grid-gap to 20px and margin to 0.2em 2em 0.2em 2em.
2. Configure the class named **item>img**. Set the width to 100% and height to 100%.
3. Modify the class named **item>img:hover** pseudo selector. Add style rule filter with property blur(2px) brightness (60%) to the declaration.

Task 3: CONFIGURE HEROIMAGE WITH TITLE TEXT. Modify the Home.html to look similar to the Home page shown below.

a. heroitems Div. Configure new div and text within section with class named **heroimage**.

1. Configure a new div within section with class named heroimage with a class name container.
2. Configure a div with class named heroitems inside container class.
3. Code an <h1> tag with text Welcome To Bellingham Hotel.
4. Code a <p> tag with text Discover World's #1 Five Star Hotel.
5. Code an <a> tag within a <p> tag with class named button and text Book Now.

b. Configure the stylesheet for heroitems.

- 1. Configure a class named heroitems.** Set position to relative, width to 100%, min-height to 550px, height to 100vh, align to center !important, display to table-cell, vertical-align to middle, margin to auto, z-index to 2 and padding to 0 5em.
- 2. Configure heroitems h1 parent-child selector.** Set font-size to 3em.
- 3. Configure the heroitems p parent-child selector.** Set font-size to 1.4em.

c. Configure blur images. Code the following style rule within img and .heroimage:before.

```
img{
  content: "";
  background: rgba(0, 0, 0, 0.5);
  width: 100%;
  z-index: 1;
  top: 0;
  left: 0;
  right: 0;
  bottom: 0
}
```

```
.heroimage:before {
  content: "";
  background: rgba(0, 0, 0, 0.5);
  width: 100%;
  height: 100vh;
  z-index: 1;
  position: absolute;
  top: 0;
  left: 0;
  right: 0;
  bottom: 0;
}
```

Welcome To Bellingham Hotel

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Task 4: MEDIA QUERY FOR TABLET DISPLAY.

a. Modify the nav element with a hamburger icon.

1. Add the <links> below to head section of the html pages.

```
<link rel="stylesheet"
href="https://use.fontawesome.com/releases/v5.6.3/css/all.css">
```

2. Configure after the opening <nav> tag a <label> with class named label and font awesome icon with the <label> tag;

```
<label class="label" for="toggle"><i class="fas fa-bars"></i></label>
```

3. Configure an input type="checkbox" with an id name toggle:

```
<input type="checkbox" id="toggle">
```

b. Modify the stylesheet with the following Code:

1. Configure button element selector. Set margin-top to 0 !important.
2. Configure id named toggle. Set display to none.
3. Configure class named label. Set font-size to 26px, line-height to 70px, display to none width to 30px float to right and color to var(--white-color).

c. Code a media query to select for typical tablet device viewport size, such as

```
@media(max-width: 992px){
}
```

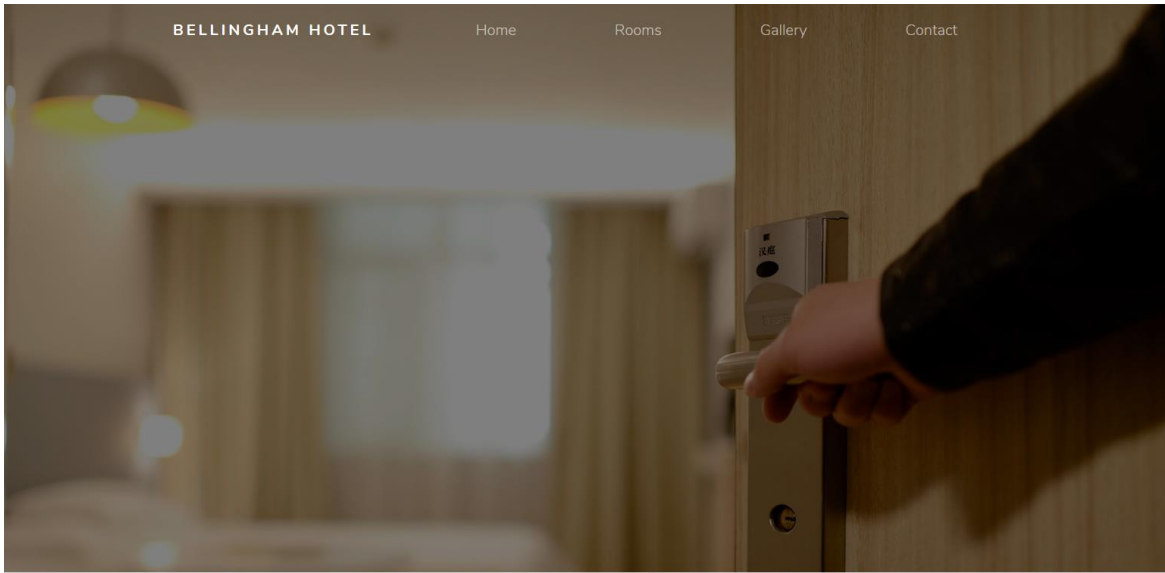
1. Code the following new styles within the media query:

- i. Configure the .label selector. Set display to block and cursor to pointer.
- ii. Configure the nav ul selector. Set text-align to center, display to none, flex-direction to column, padding-top to 2,2em and background-color to transparent.
- iii. Configure the nav li selector. Set width to 100%, text-align to center, flex to auto, background-color to rgba(0, 0, 0, 0.8), position to relative and top to 1em.
- iv. Configure the nav a selector. Set opacity to 1.

- v. Configure the #toggle:checked+.menu selector. Set display to block.
 - vi. Configure the header>div .logo selector. Set float to left and padding to 1em 0.5em 0.5em 0.5em.
 - vii. Configure the .menu a selector. Set display to block and margin to 0.
 - viii. Configure .heroitems selector. Set height to 100vh.
 - ix. Configure .heroitems h1 selector. Set font-size to 40px.
 - x. Configure the .sideleft, .sideright,.newsletter h1,.newsletter form, .footer, .feature-image img, .newsletter input[type="email"], button, .contactform, .button, textarea, .rooms-pic-1 selectors. Set float to none, width to 100%, text-align to center and margin to 0.8em 0 0.8em 0.
 - xi. Configure .rooms-pic-1 selector. Set max-width to 100%.
 - xii. Configure .sideleft selector. Set padding-bottom to 1em.
 - xiii. Configure .main-padding selector. Set padding to 2em 0.
 - xiv. Configure the . heroitems p selector. Set font-size to 25px and margin-bottom to 20px.
 - xv. Configure the .footer selector. Set the margin-bottom to 1em.
 - xvi. Configure the button element selector. Set margin-top to 1em !important.
- d. Code a media query to selector for a smartphone device viewport size, such as
- ```
@media(max-width: 480px){
```
- i. Configure the .heroitems h1 selector. Set font-size to 30px.
  - ii. Configure the .heroitems p selector. Set font-size to 20px and margin-bottom to 20px.







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**The last date for submission of Lab assignment is 11:59pm Sunday Feb 3, 2019.**

### **Points Breakdown**

Correctly modified all pages with a navigation using unordered list – **4 points**

Correctly modified the Gallery page stylesheet using CSS3 grid layout. **3 points**

Correctly configured heroimage with title text. **5 points**

Correctly modified style.css and code a media query for tablet display – **8 points**