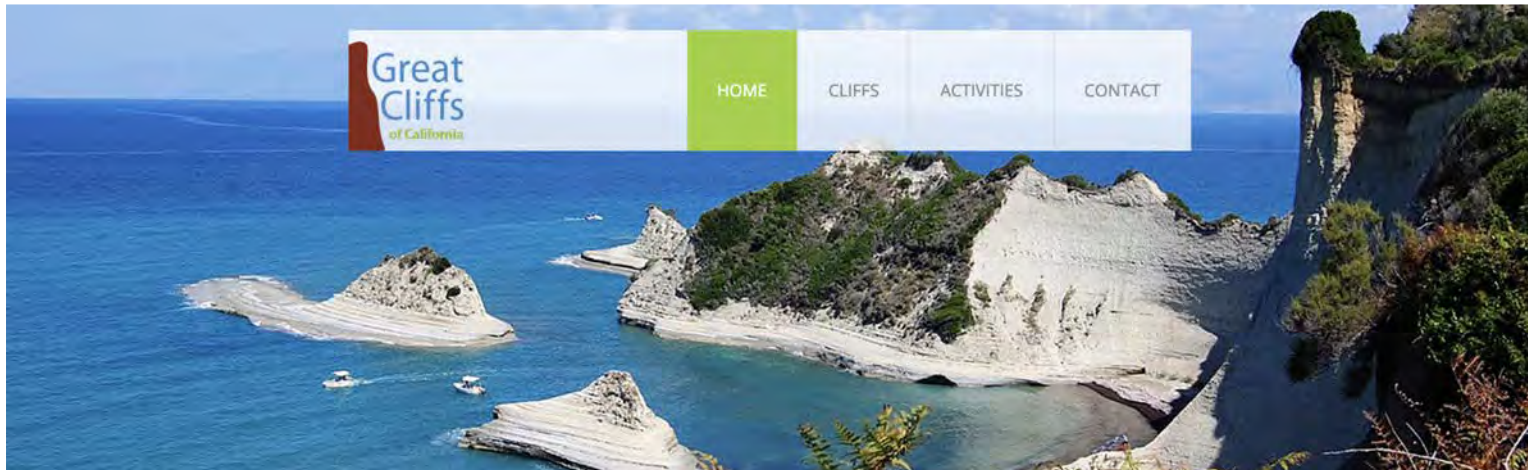# Homework

Homework

- In today's homework, you will continue from the previous session's homework.

- Before you begin working, see the finish example on today's session in the Week 2 Day 1 on GAP.

- While you are here, download *partners.zip*. Drop the *partners* folder in the images folder inside **homework-module1**.

- Launch VS Code. Make sure auto save is on.

- Navigate to locate the **homework-module1** folder via *Open folder.*

Homework

- In today's homework, we will begin styling our Great Cliff application home page.

- The image currently on the page is a floating image using the HTML <img> element. We will convert it to a background image via CSS so that the header area that contains this background will allow the logo and navigation bar to float on it, like so:

Homework

- First, remove the <img> element within the header area.
- Next, within the <head> element and below the <meta> element, add a **<style></style>** element. See today's demo exercise for reference.
- Within the <style> element, create a header as selector:

```html
<head>
<title>Great Cliffs of California</title>
<meta charset="utf-8">

<!-- Embed Style Method -->
<style>
  header {

  }
</style>

</head>
```

Homework

- Within the header selector, add the following rules:

```
header {
    width: 100%;
    min-height: 400px;
    padding-top: 3em;
}
```

- Next, add an **id** with a value **home** in the open <body> tag. This is done to isolate styling of same elements on multiple pages. By giving each page a unique id that helps separate styling from page to page.

```
header {
    width: 100%;
    min-height: 400px;
    padding-top: 3em;
}
</style>

</head>

<body id="home">
```

Homework

- Continuing on with CSS…add the following CSS codes to use the previous image as background:

```css
header {
  width: 100%;
  min-height: 400px;
  padding-top: 3em;
}
#home header {
  background:  no-repeat lightgrey url(images/cliff_ocean.jpg);
  background-size: 1500px;
}
```
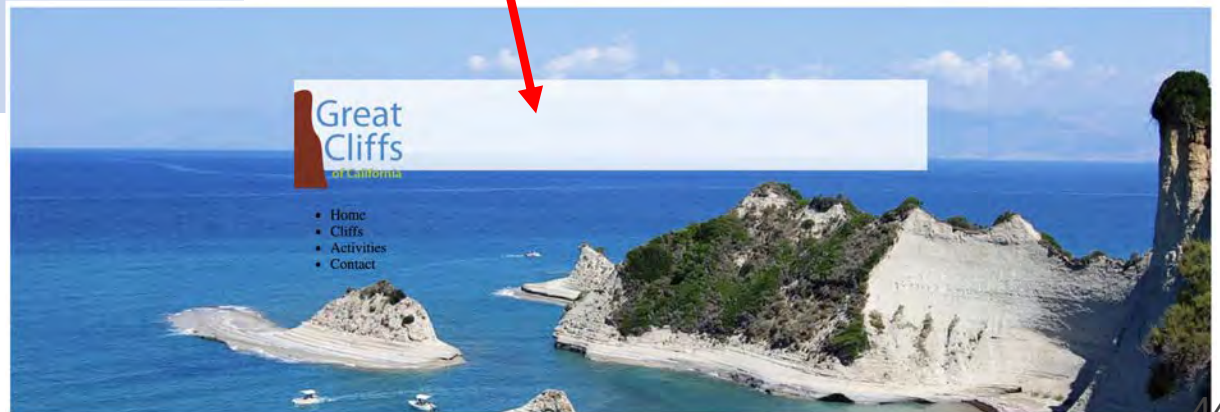

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Homework

- Next, we'll style the main header box that contain the logo and navigation labels:

```
#home header {
    background:  no-repeat lightgrey url(images/cliff_ocean.jpg);
    background-size: 1500px;
}

.main-header {
    background-color:rgb(255, 255, 255, 0.8);
    width: 700px;
    margin: 2em auto 0 auto;
    min-height: 100px;
    height: 100px;
}
</style>
```

When calling a class selector, use the dot (.)

RGBA – A as in alpha (opacity). 0.8 means 80% opacity.

LEFT and RIGHT values. When they are set to auto for margin, that element will be centered within the parent (header) element.
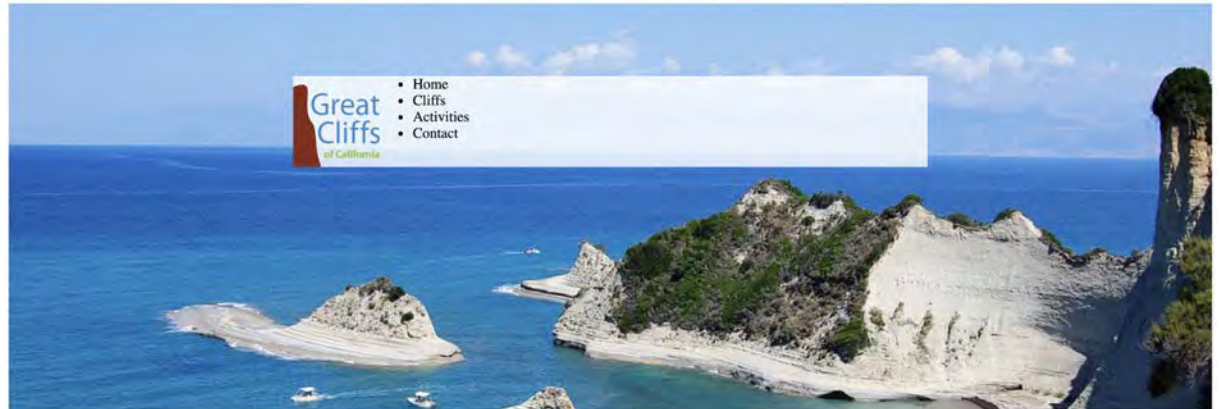
Great Cliffs
of California

- Home
- Cliffs
- Activities
- Contact

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Homework

- We'll re-position the logo graphic within the main header box:

```css
.main-header {
    background-color:rgb(255, 255, 255, 0.8);
    width: 700px;
    margin: 2em auto 0 auto;
    min-height: 100px;
    height: 100px;
}

.main-header .logo img {
    width: 100px;
    height: 100px;
    margin: 0 2em 0 0;
    float: left;
}
```

Homework

- Next, we'll re-position the navigation menu within the main header box:

```css
.main-header .logo img {
    width: 100px;
    height: 100px;
    margin: 0 2em 0 0;
    float: left;
}
.main-menu {
    margin-left: 227px;
    font-weight: 400;
}
```

Homework

- Remove the navigation label bullets, make navigation appear horizontal instead of vertical, create a faint vertical line border and more:

```
.main-menu {
    margin-left: 227px;
    font-weight: 400;
}

.main-menu ul li {
    list-style-type: none;
    display: inline-block;
    float: left;
    padding-left: 25px;
    padding-right: 25px;
    border-left: 1px solid rgba(202, 204, 202, 0.6);
    line-height: 100px;
    text-transform: uppercase;
    font-size: 14px;
}
```

Homework

- Organize your codes by groups using CSS comments.
  So far we have styled the header and navigation areas:

```
<!-- Embed Style Method -->
<style>
/* Header */
header {
    width: 100%;
    min-height: 400px;
    padding-top: 3em;
}
```

```
.main-header .logo img {
    width: 100px;
    height: 100px;
    margin: 0 2em 0 0;
    float: left;
}

/* Navigation */
.main-menu {
    margin-left: 227px;
    font-weight: 400;
}
.main-menu ul li {
```

Homework

- Pause CSS styling and head back to HTML for a moment. Turn the existing navigation labels into hypertext links. Link to the respective files that was created in the last session.

```html
<nav class="main-menu">
    <ul>
        <li><a href="index.html">Home</a></li>
        <li>Cliffs</li>
        <li><a href="activities.html">Activities</a></li>
        <li><a href="contact.html">Contact</a></li>
    </ul>
</nav>
```
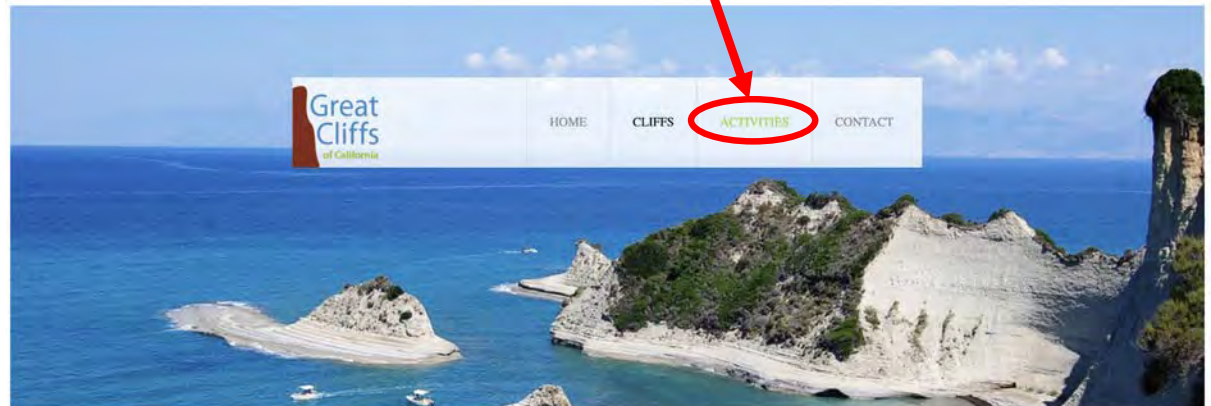
Homework

- Returning to CSS – next, modify the look of the hypertext links - get rid of the underlines, change the font color and create a mouse hovering effect:

```
    line-height: 100px;
    text-transform: uppercase;
    font-size: 14px;
}
.main-menu ul li a {
    text-decoration: none;
    color: #888;
}
.main-menu ul li a:hover {
    color: #9ed034;
}
```

Mouse over (hover) effect

Homework

- Head back to HTML one more time – add a class with an active value in the first hypertext link list in the navigation menu, ie. the home button link. The purpose of adding this class is to give it a style so that the home button is highlighted when visitors are on the home page.

```
<nav class="main-menu">
    <ul>
        <li class="active"><a href="index.html">Home</a></li>
        <li>Cliffs</li>
        <li><a href="activities.html">Activities</a></li>
        <li><a href="contact.html">Contact</a></li>
    </ul>
</nav>
```
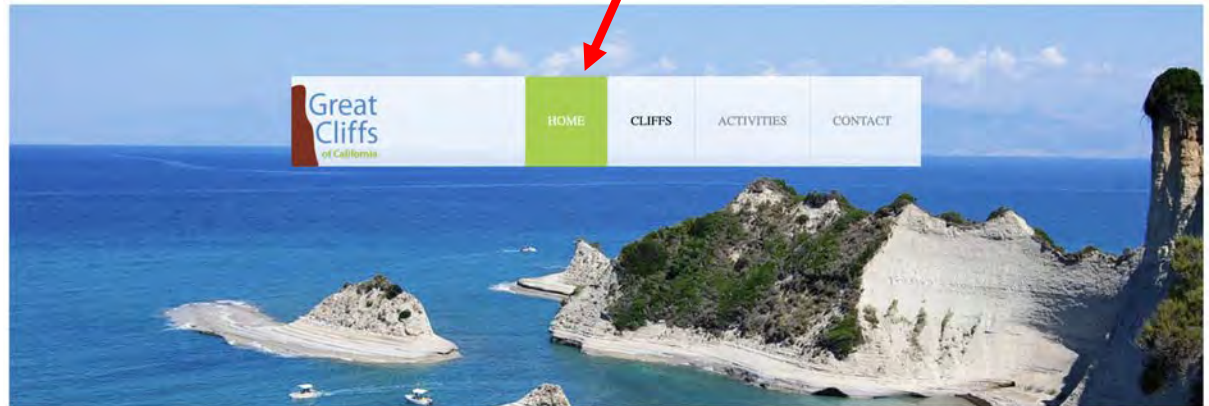
- Returning to CSS – add two CSS rules to style this new **active class**:

```css
.main-menu ul li a:hover {
    color: #9ed034;
}
.main-menu ul li.active {
    background: #9ed034;
    border: none;
}
.main-menu ul li.active a {
    color: #fff;
}
```

Active style applied. Also called status indicator.

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Homework

- The header area is complete for now.

- The next area to be tackled is the <main> area. This area contains a main heading, two sub-headings and two paragraphs.

- It's your turn now to create and design this area as what you see in the provided example. You will use CSS to do this.

- To start, create a CSS comment for this area below where we last wrote our CSS codes.

```
.main-menu ul li.active a {
    color: #fff;
}

/* Main */

</style>
```

- Here are some of the values that you'll need to design this area:
  - Font: Arial, Helvetica, sans-serif
  - Font color: #9ed034

Homework

- The main area should look like this when you are finished:

Introducing California's Greatest Cliffs

What is so unique about California cliffs?

California cliffs are one of a kind in the United States where no cliffs are as manificent and beautiful as them. And California is the only state that have cliffs that fronts all possible environments: sea, river, mountains and canyons. There are four such individual unique cliffs: West Cliff, North Cliff, East Cliff and South Cliff. All offer fantastic overlooking views, recreational areas, camping sites, wildlife watch spots and overnight cabins.

Where are these cliffs?

Located within a 100 mile radius from Irvine, California, they can be reached by roads easily. The closest cliff to Irvine is West Cliff, which is the most popular and most visited.

Homework

- You will next move on to the section (partners) area.

- This area will contain 6 images of the partner's logo/icon. Replace each line that contain <h3>…..</h3> with a <img…. /> in that order:

```html
<section>
<ul id="partners">
        <li class="partner">
            <img src="images/partners/partner-bustour.png" alt="Partner Bus Tours">
        </li>
        <li class="partner">
            <img src="images/partners/partner-cabinrental.png" alt="Partner Cabin Rental">
        </li>
        <li class="partner">
            <img src="images/partners/partner-campingadv.png" alt="Partner Camping Adventure">
        </li>
        <li class="partner">
            <img src="images/partners/partner-collegetours.png" alt="Partner College Tours">
        </li>
        <li class="partner">
            <img src="images/partners/partner-rentalbike.png" alt="Partner Bike Rentals">
        </li>
        <li class="partner">
            <img src="images/partners/partner-tourgroup.png" alt="Partner Tour Group">
        </li>
    </ul>
</section>
```

Homework

- On the browser, they will appear quite large at this time and arranged vertically.

Homework

- To start, add the following CSS rule below where you last wrote your CSS for the main area:

```css
/* Partners */
section {
    width: 100%;
    background-color: #4288C3;
}
</style>
```

Homework

- You will next center the logos/icons within the section area.

```
/* Partners */
section {
  width: 100%;
  background-color: #4288C3;
}
section #partners {
  width: 1200px;
  padding: 2em 0 2em 0;
  margin: 0 auto;
  text-align: center;
}
```

Homework

- Next, you will make each partner's logo/icon to appear within a circular shape.

```
section #partners {
    width: 1200px;
    padding: 2em 0 2em 0;
    margin: 0 auto;
    text-align: center;
}

section #partners .partner {
    display: inline-block;
    margin: 0 0.75em;
    padding: 1.3em 1.5em;
    background-color: #fff;
    border-radius: 50%;
}
```

Homework

- The final step is to scale each logo/icon image down.

```css
section #partners .partner {
    display: inline-block;
    margin: 0 0.75em;
    padding: 1.3em 1.5em;
    background-color: #fff;
    border-radius: 50%;
}
section #partners .partner img {
    width: 90px;
    height: 90px;
}
```


Where are these cliffs?

Located within a 100 mile radius from Irvine, California, they can be reached by roads easily. The closest cliff to Irvine is West Cliff, which is the most popular and most visited.
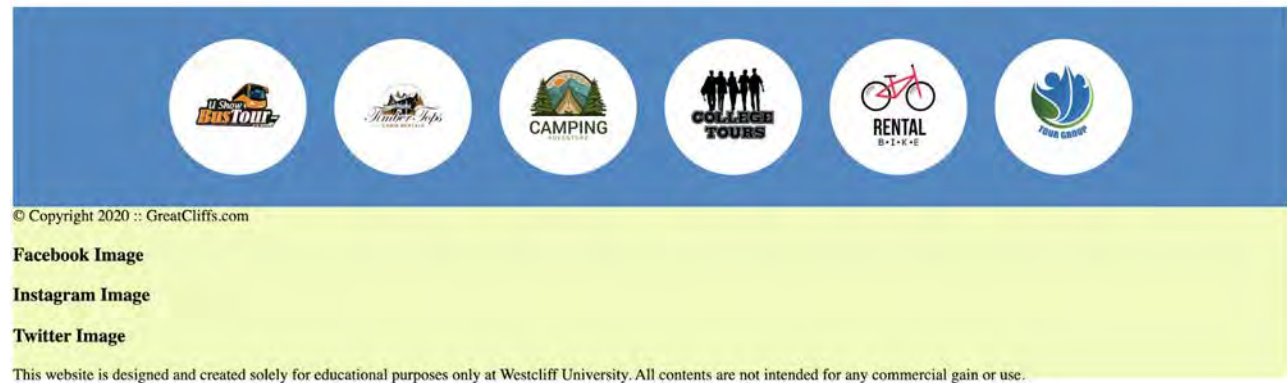
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Homework

- The last area to style is the footer. This area contain two regions: copyright and social medias. Copyright on the left and social medias on the right in the footer.

- Start with some basic styles on the footer box:

```
/* Footer */
footer {
    width: 100%;
    height: 155px;
    padding-bottom: 1em;
    background-color: #ecfab8;
}
</style>
```
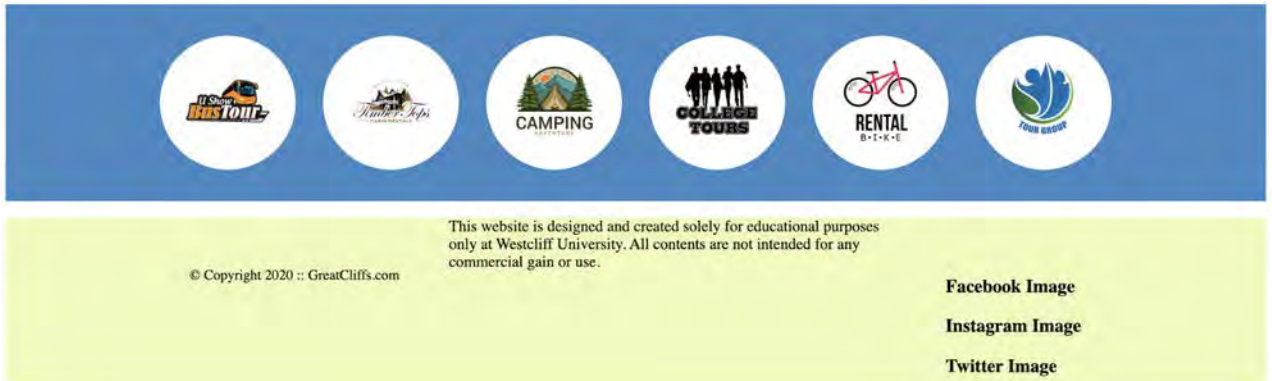

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Facebook Image

Instagram Image

Twitter Image

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Homework

- Next, position copyright on the left and social medias on the right:

```css
/* Footer */
footer {
  width: 100%;
  height: 155px;
  padding-bottom: 1em;
  background-color: #ecfab8;
}
footer #nondisclaimer .copy {
  padding: 3.5em 3.5em 3.5em 13em;
  float: left;
  font-size: 0.9em;
}
footer #nondisclaimer .social {
  padding: 2.5em;
  margin-right: 9.25em;
  float: right;
}
```

Homework

- The disclaimer has moved up after positioning the copyright and social medias. You will force it back to the bottom:

```
footer #nondisclaimer .social {
    padding: 2.5em;
    margin-right: 9.25em;
    float: right;
}
footer #disclaimer {
    clear: both;
}
footer #disclaimer p {
    font-size: 0.85em;
    text-align: center;
}
```

Homework

- The last step is turning the social media texts to logos/icons. Instead of creating them using graphical software or download from google search, there's a better way to create these icons.

- Font awesome is an online library that you can use to create all sorts of icons, including social medias.

- Learn how to use it by visiting this link:

  https://www.w3schools.com/howto/howto_css_social_media_buttons.asp

Homework

- First, remove the texts wrapped with <h3> elements and replace with hypertext link <a> elements that are set to font awesome library classes:

```
<div class="social">
    <h3>Facebook Image</h3>
    <h3>Instagram Image</h3>
    <h3>Twitter Image</h3>
</div>
```

→

```
<div class="social">
    <a href="#" class="fa fa-facebook"></a>
    <a href="#" class="fa fa-instagram"></a>
    <a href="#" class="fa fa-twitter"></a>
</div>
```

Homework

- Next, link to font awesome's online library. Copy the codes from w3school site from 2 slides prior:

```
<head>
<title>Great Cliffs of California</title>
<meta charset="utf-8">

<!-- Font Awesome -->
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">

<!-- Embed Style Method -->
<style>
```
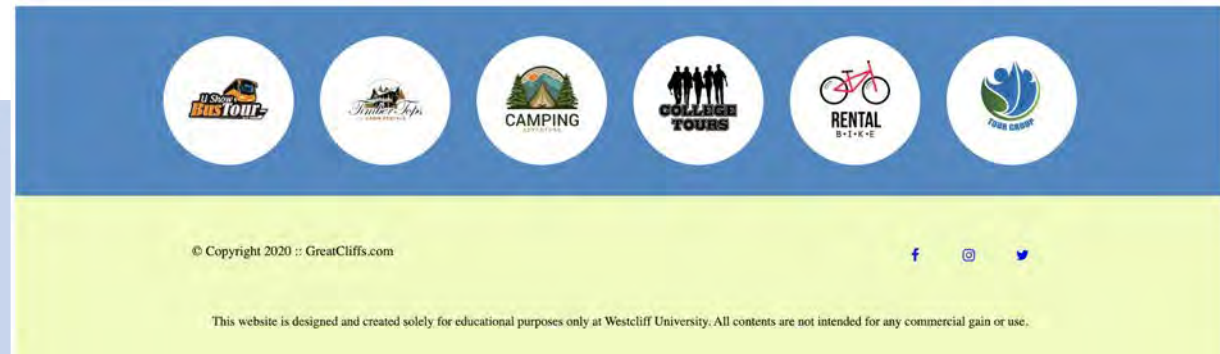
Homework

- The first of the final step is styling the font awesome social medias to appear as icons and also a hover effect:

```
footer #disclaimer p {
    font-size: 0.85em;
    text-align: center;
}
footer #nondisclaimer .social .fa {
    padding: 15px;
    font-size: 15px;
    width: 15px;
    text-align: center;
    text-decoration: none;
    margin: 0 4px;
    border-radius: 50%;
}
footer #nondisclaimer .social .fa:hover {
    opacity: 0.7;
}
```


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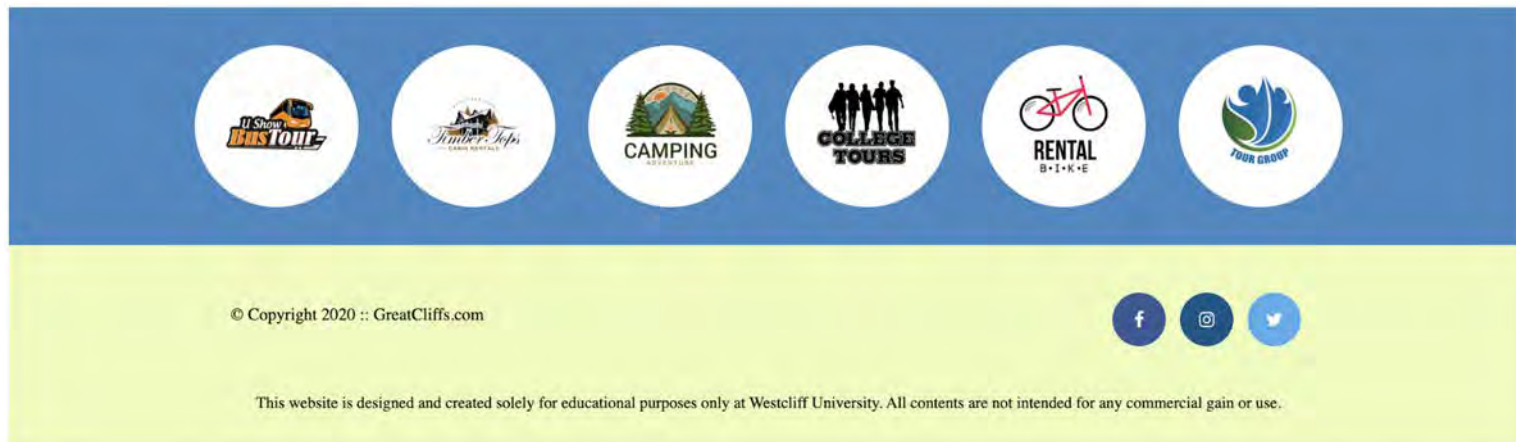
Homework

- The last of the final step is styling the icons to appear in round shapes:

```css
footer #nondisclaimer .social .fa:hover {
    opacity: 0.7;
}
footer #nondisclaimer .social .fa-facebook {
    background: #3B5998;
    color: white;
}

footer #nondisclaimer .social .fa-twitter {
    background: #55ACEE;
    color: white;
}

footer #nondisclaimer .social .fa-instagram {
    background: #125688;
    color: white;
}
```

Homework

- The final look of the footer area with social media icons:

Homework

- Due:
  - This Sunday 10.30PM PT

- Submission
  - Post Github url link on **GAP Week 2 Day 1 Homework** dropbox.

Questions?

Connect with Us (WEB301/501/801)

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