# Project: Build a simple E-commerce website using HTML CSS JS (Use Bootstrap)

Create a folder with a name E-commerce website\_01

Inside the E-commerce website 01 folder create index.html and style.css

Now inside the index.html file create the starter code using "!" + enter

Link the **bootstrap style sheet** 

```
<link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.1.3/dist/css/bootstrap.min.css"
crossorigin="anonymous">
```

Link the style sheet using

```
link rel="stylesheet" href="style.css">
```

Link the JS script from bootstrap

Since we are using many fonts from font awesome we need to link font awesome "CDN"

```
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/6.5.2/css/all.min.css" crossorigin="anonymous" referrerpolicy="no-
referrer" />
```

Next is to add "nav bar" to the html from bootsrap. In bootsrap within components we have nav bar types and its respective code. Copy the code and paste it in the index.html.

Now to adjust the padding of the nav bar add **py-3** // the top most value is 5.

```
<nav class="navbar navbar-expand-lg navbar-light bg-light py-3">
```

To add logo in the nav bar, remove the anchor tag

```
<a class="navbar-brand" href="#">Navbar</a>
```

things that needs to be deleted are.

```
<img src="img/logo1.png" alt="nav logo1" style="height:40px;">
```

To put all the nav links in the right side, inside the unordered list there is class me-auto mb-2 mb-lg-0 remove that add ml-auto

```
Instead of this add the below code
```

```
To make the nav bar with "Home" "Shop" "Blog" "About" "Contact Us" we need to delete some of the list items inside the unordered list given by bootstrap. I will show which the
```

```
<a class="nav-link active" aria-current="page" href="#">Home</a>
      <a class="nav-link dropdown-toggle" href="#" role="button" data-bs-</pre>
toggle="dropdown" aria-expanded="false">
         Dropdown
        </a>
        <a class="dropdown-item" href="#">Action</a>
         <a class="dropdown-item" href="#">Another action</a>
         <hr class="dropdown-divider">
         <a class="dropdown-item" href="#">Something else here</a>
        <a class="nav-link disabled" aria-disabled="true">Disabled</a>
      <form class="d-flex" role="search">
      <input class="form-control me-2" type="search" placeholder="Search"</pre>
aria-label="Search"/>
      <button class="btn btn-outline-success" type="submit">Search</button>
    </form>
```

The following list can be added or renamed

Now I need to add search icon & shopping bag in the nav bar. To do that go to font awesome website and click icon and search for search icon and shopping bag icon. Add them as mentioned above

Now we have to add CSS style to the nav bar elements

To increase the font-size of the nav links, we have a class called

```
<nav class="navbar navbar-expand-lg navbar-light bg-white py-3 fixed-top">
Bg-light is replaced with bg-white for pure white nav bar color
```

```
.navbar {
    font-size: 16px;
}
```

To increase the space between nav links also transition, color add the following code

```
.navbar-light .navbar-nav .nav-link {
    padding: 0 20px;
    color: black;
    transition: 0.3s ease;
}
```

To add some hover effects to nav links and change color when hovering

```
.navbar-light .navbar-nav .nav-link:hover,
.navbar-light .navbar-nav .nav-link:active{
    color: coral;
}
```

To adjust the space from both left and right side of the nav bar remove "fluid"

```
<div class="container-fluid">
<div class="container">
```

To change the bar in the nav bar, we have make changes to the span tag

```
<span class="navbar-toggler-icon"></span>
```

Need to remove the class and add bootstrap class for new bar

```
<span id="bar"><i class="fa-solid fa-bars"></i></span>
```

To need add these in style sheet

```
/*mobile nav*/
.navbar-light .navbar-toggler {
   border: none;
   outline: none;
}
```

To add styling for the bar in the style sheet

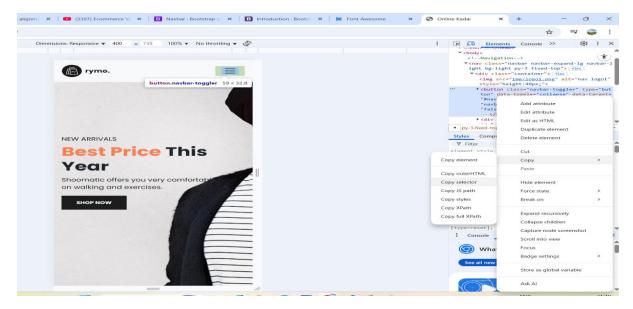
```
#bar{
    font-size: 1.5rem;
    padding: 7px;
    cursor: pointer;
    font-weight: 500;
    transition: 0.3s ease;
    color: black;
}
```

To add hover effect on the bar in the style sheet

```
#bar:hover,
#bar:active {
    color: #fff;
}
```

To change the background color of the bar while cursor hovers over it

Go to the website, then right click and go to inspect,



Add this in style sheet also when hover and focus color change to orange

```
@media only screen and (max-width:991px){
```

```
body > nav > div > button:hover,
body > nav > div > button:focus {
    background-color: #fb774b;
}
```

To adjust the nav bar links again go to inspect page and copy the link using copy selector and paste it in the style sheet below media query.

```
#navbarSupportedContent > ul > li:nth-child(1) > a

And remove > li:nth-child(1) > a

#navbarSupportedContent > ul{
         margin: 1rem;
         justify-content: flex-end;
         align-items: flex-end;
         text-align: right;
    }
```

Now the nav bar moves right side but it still has extra padding, to adjust that again go to inspect and copy the

```
#navbarSupportedContent > ul > li:nth-child(1) > a
Inside the li:nth-child(1) is given for first "home" link remove that and instead put n.
```

```
#navbarSupportedContent > ul > li:nth-child(n) > a {
    padding: 10px 0;
}
```

Up to this nav bar is done

Now we go the **Home-banner section**, we add the following element under section home.

To style we need to use style sheet

First we need to style the h1 element where we give separate color for the "Best Price"

```
#home span{
    color: coral;
}
```

Second we need to style the shop now button, we will be using the button as global tag.

```
button {
    font-size: 0.8rem;
    font-weight: 700;
    outline: none;
    border: none;
    background-color: #1d1d1d;
    color: aliceblue;
    padding: 13px 30px;
    cursor: pointer; //clickable button
    text-transform: uppercase;
    transition: 0.3s ease;
}
```

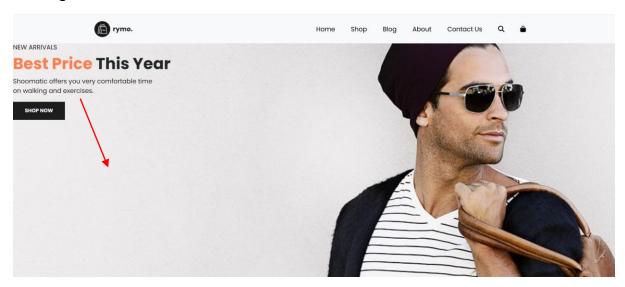
To make hover effect on the button

```
button:hover {
    background-color: #3a3833;
}
```

To add background image in the home section

```
#home {
    background-image: url("img/back.jpg");
    width: 100%;
    height: 100vh;
    background-size: cover;
    background-position: top center;
}
```

To bring the text in the home section to middle



```
#home {
    background-image: url("img/back.jpg");
    width: 100%;
    height: 100vh;
    background-size: cover;
    background-position: top center;
    display: flex;
    flex-direction: column;
    justify-content: center;
    align-items:flex-start;
}
These are the changes
    to bring the text into
    center
}
```

To bring the space like the nav bar, add class "container" to the div element in the section

## <div class="container">



To fix the nav bar even when scrolling down, we need to add fixed-top (a bootstrap classs)

```
<nav class="navbar navbar-expand-lg navbar-light bg-light py-3 fixed-top">
```

Changes to be made in style sheet for fixed nav bar, additionally we add box-shadow to give a shadow look.

```
.navbar {
    font-size: 16px;
    top: 0;
    left: 0;
    box-shadow: 0 5px 10px rgba(0, 0, 0, 0.1);
}
These are the changes
for fixed top
```

To bring the background image slightly below, inside the #home add 60px initial it was top and center only.

```
background-position: top 60px center;
```

Up to this Home-banner section is completed

\*

Next we go to **Brand section** in the html file, add the following code

I want to remove the slider in the bottom. To do that add new class in the section called container which will remove the slider in the bottom and also align the space in the side.

```
<section id="Brand" class="container">
```

We have to add img-fluid class which make the image responsive to different screens

```
<img class="img-fluid col-lg-2 col-md-4 col-sm-6" src="/img/brand/1.png"
alt="">
```

Here the bootstrap splits the website into 12 columns for different device, we specify in html to display "col-lg-2" – large screen 2 columns, "col-md-4" – medium screen 4 columns and "col-sm-6" – small screen 6 columns.

To add space to the brand section we add margin=0 and padding=5.

```
<div class="row m-0 py-5">
```

Up to this **Brand section** is completed

Now we go to **New section** by using section element

#### </section>

Section id is given as "New" and bootstrap class used to set the width to 100% to remove the bottom slider. Inside the section element new div with class name "row with padding -0 and margin -0" created where we will place the 3 images and its details. Again inside the div we create another div class "one col-lg-4 col-md-12 col-12 p-o" (larger screen 4 columns, medium screens 12 columns and small screen 12 and padding -0), for individual images. Inside that we add image and use "img-fluid" class for responsive website design. Below that we add div with class name "details" for adding the image details. "h2" and "button" element is used. Repeat this two times for another two images also.

```
<section id="New" class="w-100">
  <div class="row p-0 m-0">
    <div class="one col-lg-4 col-md-12 col-12 p-0">
      <img class="img-fluid" src="/img/new/1.jpg" alt="">
        <div class="details">
          <h2>Extreme Rare Sneakers</h2>
          <button class="text-uppercase">Shop Now</button>
    </div>
    <div class="one col-lg-4 col-md-12 col-12 p-0">
      <img class="img-fluid" src="/img/new/2.jpg" alt="">
        <div class="details">
          <h2>Awesome Blank Outfit</h2>
          <button class="text-uppercase">Shop Now</button>
        </div>
    </div>
    <div class="one col-lg-4 col-md-12 col-12 p-0">
      <img class="img-fluid" src="/img/new/3.jpg" alt="">
        <div class="details">
          <h2>Sportwear Up to 50% Off</h2>
          <button class="text-uppercase">Shop Now</button>
        </div>
    </div>
  </div>
</section>
```

This is the complete section with 3 images, we observe the images are not in same size,



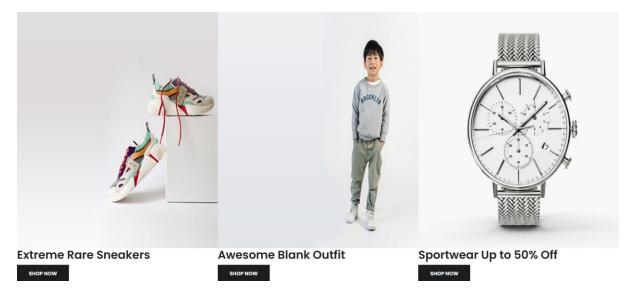




To adjust that we need to make adjustments, here are they. Use the Id="new" and go to style sheet.

```
#New .one img {
    width: 100%;
    height: 100%;
    background-position: center center;
    background-repeat: no-repeat;
    background-size: cover;
    position: relative;
}
```

Now the images are taking same width and height.



To bring the details into the image,

```
#New .one .details {
    position: absolute;
    width: 100%;
    height: 100%;
    top: 0;
    left: 0;
    transition: 0.3s ease;
}
```

To change the color of the image background during hover effect,

```
#New .one:hover .details {
    cursor: pointer;
    background-color:rgba(245, 178, 178, 0.7);
}
```

Now we have align the text details,

```
#New .one .details button {
    display: inline-block;
    font-size: 14px;
    font-weight: 500;
    color: #2a2a2a;
    background: none;
    text-transform: uppercase;
    border-bottom: 1px solid #2a2a2a;
    padding: 2.5px;
    transform: translateY(70px);
    transition: 0.3s ease;
}
```

Now when we hover over the button it should change the color,

```
#New .one .details button:hover {
    color: #fff;
    border-bottom: 1px solid #fff;
}
```

We need to align the details "h2" in the left center, here we target the individual items so put child(1)

```
#New .one:nth-child(1) .details {
    display: flex;
    justify-content: center;
    flex-direction: column;
    align-items: flex-start;
    text-align: start;
}
```

Similarly for 2<sup>nd</sup> and 3<sup>rd</sup> item

```
#New .one:nth-child(2) .details {
    display: flex;
    justify-content: center;
    flex-direction: column;
    align-items: center;
    text-align: center;
}

#New .one:nth-child(3) .details {
    display: flex;
    justify-content: center;
    flex-direction: column;
    align-items: flex-end;
```

```
text-align: end;
}
```



Up to this **New section** is completed

### Featured section starts here,

Following cold adds the heading "h3" "line below the heading" and "paragraph". For extra spacing we add margin and padding for both section and div classes.

Now we add product class where four products are in one row.

```
</div>
        <h5 class="p-name">Sports Shoes</h5>
        <h4 class="p-price">Rs. 292.00</h4>
        <button class="buy-btn">Buy Now</button>
    </div>
    <div class="product text-center col-lg-3 col-md-4 col-12">
      <img class="img-fluid mb-3" src="/img/featured/2.jpg" alt="">
        <div class="star">
            <i class="fa-solid fa-star"></i></i>
            <i class="fa-solid fa-star"></i></i>
            <i class="fa-solid fa-star"></i></i>
            <i class="fa-solid fa-star"></i></i>
            <i class="fa-solid fa-star"></i></i>
        </div>
        <h5 class="p-name">Walking Shoes</h5>
        <h4 class="p-price">Rs. 162.00</h4>
        <button class="buy-btn">Buy Now</button>
    </div>
    <div class="product text-center col-lg-3 col-md-4 col-12">
      <img class="img-fluid mb-3" src="/img/featured/3.jpg" alt="">
        <div class="star">
            <i class="fa-solid fa-star"></i></i>
            <i class="fa-solid fa-star"></i></i>
            <i class="fa-solid fa-star"></i></i>
            <i class="fa-solid fa-star"></i></i>
            <i class="fa-solid fa-star"></i></i>
        </div>
        <h5 class="p-name">backpack</h5>
        <h4 class="p-price">Rs. 499.00</h4>
        <button class="buy-btn">Buy Now</button>
    <div class="product text-center col-lg-3 col-md-4 col-12">
      <img class="img-fluid mb-3" src="/img/featured/4.jpg" alt="">
        <div class="star">
            <i class="fa-solid fa-star"></i></i>
            <i class="fa-solid fa-star"></i></i>
            <i class="fa-solid fa-star"></i></i>
            <i class="fa-solid fa-star"></i></i>
            <i class="fa-solid fa-star"></i></i>
        </div>
        <h5 class="p-name">Skull Cap</h5>
        <h4 class="p-price">Rs. 92.00</h4>
        <button class="buy-btn">Buy Now</button>
    </div>
  </div>
</section>
```

Now we need to add spacing in the details, for that we need to use style sheet using the product class.

```
.product {
    cursor: pointer;
    margin-bottom: 2rem;
}
```

Now we need to create hover effect.

```
.product:hover img {
    opacity: 0.7;
}
```

We have change the styling for the buttons inside the featured section, and also the button should not visible first, it should be visible only when we hover over the product.

```
.product .buy-btn {
    background-color: #fb774b;
    transform: translateY(20px);
    opacity: 0;
    transition: 0.3s all;
}
.product:hover .buy-btn {
    transform: translateY(0);
    opacity: 1;
}
```

Next is to style the horizontal line, this line comes in many places in the website, so it is done in the global section.

```
hr {
    width: 30px;
    height: 2px;
    background-color: #fb774b;
}
```

We need to add class in the html doc,

```
<hr class="mx-auto">
```

Where mx-auto means margin left and right is auto.

The star (rating) below the product needs styling –color and font-size. For that we need to adjust the style sheet using its class called "star i" i because we concentrate on the i tag specifically.

```
.star i {
    font-size: 0.8rem;
    color: goldenrod;
}
```

To give the star spacing

```
.star {
    padding: 10px 0;
}
```

Up to this **featured section** completed.

Now let's begin the **Paradox banner section** 

We have put a background image as parallax background. Go to the style sheet.

```
#Banner {
    background-image: url("img/banner/2.jpg");
    width: 100%;
    height: 80vh;
    background-size: cover;
    background-position: top 70px center;
    background-repeat: no-repeat;
    background-attachment: fixed; // this makes the BG looks like parallax BG display: flex;
    flex-direction: column;
    justify-content: center;
    align-items:flex-start;
```

Again to give spacing for the text contents, we use bootstrap class container.

```
<div class="container">
```

Now we provide styling to the heading tag h4, h1 and button.

```
#Banner h4 {
    color: #d8d8d8;
}
```

```
#Banner h1 {
    color: #fff;
}
#Banner button {
    background-color: #fb774b;
}
```

For adding the space in the top and bottom for the background image. Using the bootstrap classes, add my-5 (margin top and bottom) & py-5 (padding top and bottom).

```
<section id="Banner" class="my-5 py-5">
Up to this Parallax banner is completed.
```

#### **Dresses and Tees section** starts here,

Since already we written code for the featured section, we will use the same code for this section as well.

```
<section id="Clothes" class="my-5">
  <div class="container text-center mt-5 py-5">
    <h3>Ladies Special</h3>
    <hr class="mx-auto">
    Here you can check out our new products with fair price on rymo.
  </div>
  <div class="row mx-auto container-fluid">
    <div class="product text-center col-lg-3 col-md-4 col-12">
      <img class="img-fluid mb-3" src="/img/clothes/1.jpg" alt="">
        <div class="star">
            <i class="fa-solid fa-star"></i></i>
            <i class="fa-solid fa-star"></i></i>
            <i class="fa-solid fa-star"></i></i>
            <i class="fa-solid fa-star"></i></i>
            <i class="fa-solid fa-star"></i></i>
        </div>
        <h5 class="p-name">Striped Blazer Suit Set</h5>
        <h4 class="p-price">Rs. 1899.00</h4>
        <button class="buy-btn">Buy Now</button>
    <div class="product text-center col-lg-3 col-md-4 col-12">
      <img class="img-fluid mb-3" src="/img/clothes/2.jpg" alt="">
        <div class="star">
            <i class="fa-solid fa-star"></i></i>
            <i class="fa-solid fa-star"></i></i>
            <i class="fa-solid fa-star"></i></i>
            <i class="fa-solid fa-star"></i></i>
            <i class="fa-solid fa-star"></i></i>
```

```
</div>
        <h5 class="p-name">Striped Bodycon Dress</h5>
        <h4 class="p-price">Rs. 1622.00</h4>
        <button class="buy-btn">Buy Now</button>
    </div>
    <div class="product text-center col-lg-3 col-md-4 col-12">
      <img class="img-fluid mb-3" src="/img/clothes/3.jpg" alt="">
        <div class="star">
            <i class="fa-solid fa-star"></i></i>
            <i class="fa-solid fa-star"></i></i>
            <i class="fa-solid fa-star"></i></i>
            <i class="fa-solid fa-star"></i></i>
            <i class="fa-solid fa-star"></i></i>
        </div>
        <h5 class="p-name">Black Tees</h5>
        <h4 class="p-price">Rs. 499.00</h4>
        <button class="buy-btn">Buy Now</button>
    </div>
    <div class="product text-center col-lg-3 col-md-4 col-12">
      <img class="img-fluid mb-3" src="/img/clothes/4.jpg" alt="">
        <div class="star">
            <i class="fa-solid fa-star"></i></i>
            <i class="fa-solid fa-star"></i></i>
            <i class="fa-solid fa-star"></i></i>
            <i class="fa-solid fa-star"></i></i>
            <i class="fa-solid fa-star"></i></i>
        </div>
        <h5 class="p-name">White Tees</h5>
        <h4 class="p-price">Rs. 492.00</h4>
        <button class="buy-btn">Buy Now</button>
    </div>
  </div>
</section>
```

Similarly repeat it for Watches and Shoes section.

Footer section complete HTML Code

```
<h5 class="pb-2">Featured</h5>
       <a href="#">Men</a>
         <a href="#">Women</a>
         <a href="#">New Arrivals</a>
         <a href="#">Shoes</a>
         <a href="#">Clothes</a>
       </div>
     <div class="footer-one col-lg-3 col-md-6 col-12">
       <h5 class="pb-2">Contact Us</h5>
         <div>
           <h6 class="text-uppercase">Address</h6>
           >1/200, R.S.Puram, CBE, India
         </div>
         <div>
           <h6 class="text-uppercase">Phone</h6>
           0422 2348956
         </div>
         <div>
           <h6 class="text-uppercase">Email</h6>
           mail@rymo.com
         </div>
     </div>
     <div class="footer-one col-lg-3 col-md-6 col-12">
       <h5 class="pb-2">Instagram</h5>
         <div class="row">
           <img class="img-fluid w-25 h-100 m-2" src="/img/insta/1.jpg"</pre>
alt="">
           <img class="img-fluid w-25 h-100 m-2" src="/img/insta/2.jpg"</pre>
alt="">
           <img class="img-fluid w-25 h-100 m-2" src="/img/insta/3.jpg"</pre>
alt="">
           <img class="img-fluid w-25 h-100 m-2" src="/img/insta/4.jpg"</pre>
alt="">
           <img class="img-fluid w-25 h-100 m-2" src="/img/insta/5.jpg"</pre>
alt="">
         </div>
     </div>
   </div>
   <div class="copyright mt-5">
     <div class="row container mx-auto">
       <div class="col-lg-3 col-md-6 col-12">
         <img src="img/payment.png" alt="">
       <div class="col-lg-4 col-md-6 col-12 text-nowrap">
         rymo eCommerce © 2025. All rights reserved
       </div>
```

Footer consists of one row which has (4) multiple columns

#### Column 1

Here in this column we add image (logo) and paragraph. It has a bootstrap class names footer-one. To make it responsive to different screen size we add bootstrap class - Large screen 3 col, medium 6 col, and small 12 col is added

#### Column 2

This column takes similar class names footer-one. Large screen 3 col, medium 6 col, and small 12 col. additionally it has h5 tag and un-ordered list. To make the text inside the anchor tag to uppercase we use bootstrap class called text-uppercase in the ul tag. To remove bullet points we use list-unstyled. To provide spacing for the h5 tag we provide class pb-2 (padding bottom).

To remove slider in the bottom and provide spacing we use

```
<div class="row container mx-auto pt-5">
```

```
Column 3
<div class="footer-one col-lg-3 col-md-6 col-12 mb-3">
       <h5 class="pb-2">Contact Us</h5>
         <div>
           <h6 class="text-uppercase">Address</h6>
           R.S.Puram, CBE, India
         </div>
         <div>
           <h6 class="text-uppercase">Phone</h6>
           0422 2348956
         </div>
         <div>
           <h6 class="text-uppercase">Email</h6>
           reach_us@rymo.com
         </div>
     </div>
```

Here we use h5, h6 and p tag. For making the text uppercase, bootstrap class text-uppercase is used. For h5 tag we provide bootstrap class padding bottom spacing pb-2.

#### Column 4

Similar to contact us section we provide bootstrap class pb-2 for the spacing and img-fluid w-25 h-100 m-2 for the responsive design.

# Bottom copyright section

Here we have single row- used bootstrap class container with mx-auto.

Inside that we create three div elements for – payment option logo, copyrights, and social media logos. For each div we use bootstrap class col-lg-3 col-md-6 col-12 for responsive design. Also for icons we use font awesome icons "i" tag within the "a" tag. To make the copyright line without break we use bootstrap class called text-nowrap.

To make the style for the footer, we use style sheet.

```
footer {
    background-color: #222222;
}
```

This makes the background color to dark.

```
footer h5 {
    color: #d8d8d8;
    font-weight: 700;
    font-size: 1.2rem;
}
```

For all h5 tag we use color, font-size and font-weight.

```
footer li {
    padding-bottom: 4px;
}
```

The list elements need spacing, we provide padding-bottom.

```
footer li a {
    font-size: 0.8rem;
    color: #999;
}
```

The text inside the list is given font-size and color.

```
footer li a:hover {
   color: #d8d8d8;
}
```

We create a hover effect on the list text content and change its color.

```
footer p {
   color: #999;
   font-size: 0.8rem;
}
```

Similarly we provide color and font-size to paragraphs.

```
footer .copyright a {
    color: #000;
    width: 38px;
    height: 38px;
    background-color: #fff;
    display: inline-block;
    text-align: center;
    line-height: 38px;
    border-radius: 50%;
    transition: 0.3s ease;
    margin: 0 5px;
}
```

Here for the copyright class we add above mentioned styling – this takes the styling and apply it to the social media icons. It provide the border radius and other transition as well.

```
footer .copyright a:hover {
    color: #fff;
    background-color:#fb774b;
}
```

When hover over it, the color and background color changes.

End of Home section - page 1