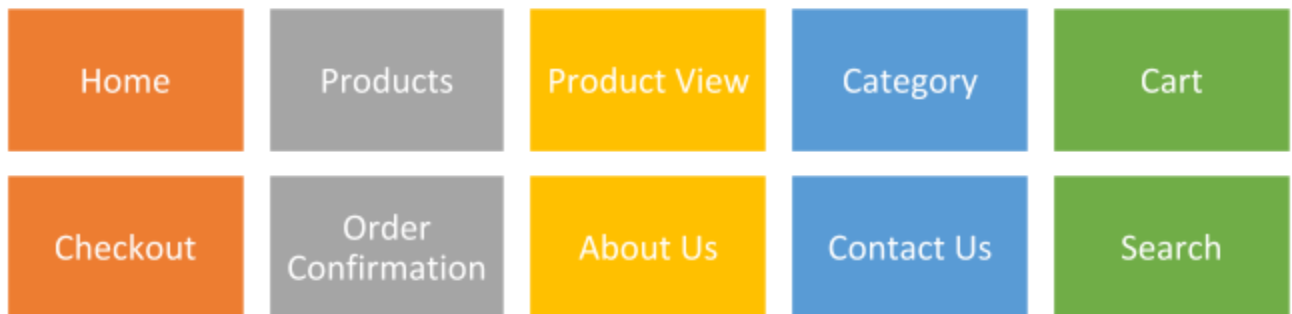## Solution Document

E-commerce Website Design

An e-commerce website, by definition, is a website that allows you to buy and sell tangible goods, digital products or services online.

Here we need to design a website with basic pages/features which are necessary for an e-commerce website.

Technology

We will be using Bootstrap, HTML, CSS, jQuery & JavaScript for designing the project.

Pages

Important Links Used in Project

Bootstrap:

https://getbootstrap.com/docs/4.5/getting-started/introduction/

Font- awesome Icons:

https://fontawesome.com/icons

Font- awesome Icons CDN:

https://cdnjs.com/libraries/font-awesome/5.10.0

What is Bootstrap

Bootstrap is the world's most popular framework for building responsive, mobile-first sites. Bootstrap is completely free to download and use!

Bootstrap Starter Template

Get below code from bootstrap website:

https://getbootstrap.com/docs/4.5/getting-started/introduction/

```
<!doctype html>
<html lang="en">
  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

    <!-- Bootstrap CSS -->
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" integrity="sha384-JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z" crossorigin="anonymous">

    <title>Hello, world!</title>
  </head>
  <body>
    <h1>Hello, world!</h1>

    <!-- Optional JavaScript -->
    <!-- jQuery first, then Popper.js, then Bootstrap JS -->
    <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js" integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj" crossorigin="anonymous"></script>
    <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js" integrity="sha384-9/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>
    <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"
```

```
integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOM
MV+rV" crossorigin="anonymous"></script>
  </body>
</html>
```

After we add the starter template, we will include the following in the <head> section of the page.

```
<!-- style.css For Custom Styling  -->
 <link rel="stylesheet" href="assets/css/style.css">

 <!-- fontawesome cdn For Icons -->
 <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.10.0/css/all.min.css"

integrity="sha512-PgQMlq+nqFLV4ylk1gwUOgm6CtIIXkKwaIHp/PAIWHzig/lKZSEGKEys
h0TCVbHJXCLN7WetD8TFecIky75ZfQ=="
   crossorigin="anonymous" />
```

After we are done with basic configuration of bootstrap, Let's start designing our pages.

 Home Page

A home page is a webpage that serves as the starting point of website. It is the default webpage that loads when you visit a web address that only contains a domain name.

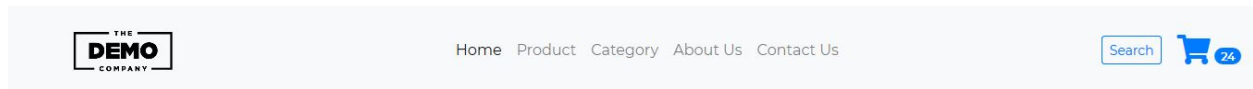Home page should have below components -

- ✔ Navbar

- ✔ Sliders

- ✔ Shop by Category

- ✔ Latest Products

- ✔ Features

- ✔ Footer

✔ Scroll to Top Button

Designing the "Navbar (Header)" Section

A navigation bar is a user interface element within a webpage that contains links to other sections of the website.

Output-

Code-

```html
<!-- =============header menu section starts here============= -->
<section class="header_menu" id="header_menu">
  <div class="container-fluid px-0 shadow">
    <nav class="navbar navbar-expand-lg navbar-light bg-light py-3  ">
      <a class="navbar-brand pl-5 pl-small-0" href="index.html">
        <img src="assets/images/logo.png" class="img img-fluid" width="120px" alt="logo">
      </a>
      <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarSupportedContent"
        aria-controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle navigation">
        <span class="navbar-toggler-icon"></span>
      </button>

      <div class="collapse navbar-collapse" id="navbarSupportedContent">
        <ul class="navbar-nav mx-auto">
          <li class="nav-item active">
            <a class="nav-link" href="index.html">Home <span class="sr-only">(current)</span></a>
          </li>
          <li class="nav-item">
            <a class="nav-link" href="product.html">Product</a>
          </li>
          <li class="nav-item">
            <a class="nav-link" href="category.html">Category</a>
          </li>
          <li class="nav-item">
```

```html
        <a class="nav-link" href="about.html">About Us</a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="contact.html">Contact Us</a>
      </li>
      <!-- <li class="nav-item dropdown">
        <a class="nav-link dropdown-toggle" href="#" id="navbarDropdown" role="button" data-toggle="dropdown"
           aria-haspopup="true" aria-expanded="false">
          Dropdown
        </a>
        <div class="dropdown-menu" aria-labelledby="navbarDropdown">
          <a class="dropdown-item" href="#">Action</a>
          <a class="dropdown-item" href="#">Another action</a>
          <div class="dropdown-divider"></div>
          <a class="dropdown-item" href="#">Something else here</a>
        </div>
      </li> -->
    </ul>
    <div class="search mr-3">
      <a href="search.html" class="btn btn-sm btn-outline-primary">
        Search
      </a>
    </div>
    <div class="cart">
      <a href="cart.html">
        <i class="fas fa-shopping-cart fa-2x"></i>
        <span class="badge badge-pill badge-primary">24</span>
      </a>
    </div>
   </div>
  </nav>
 </div>
</section>
<!-- =============header menu section ends here============= -->
```

Know more about navbars:

https://getbootstrap.com/docs/4.5/components/navbar/

Designing the "Sliders" Section

Output-

Code-

```
<!-- ============== carousel section starts here============== -->
<section class="header_carousel" id="header_carousel">
  <div id="carouselExampleControls" class="carousel slide" data-ride="carousel">
    <div class="carousel-inner">
      <div class="carousel-item active">
        <img class="d-block w-100"
src="assets/images/photo-1506645292803-579c17d4ba6a.jfif" alt="First slide">
      </div>
      <div class="carousel-item">
        <img class="d-block w-100"
src="assets/images/photo-1553830591-d8632a99e6ff.jfif" alt="Second slide">
      </div>
      <div class="carousel-item">
        <img class="d-block w-100"
src="assets/images/photo-1554774853-7f03caeb4b15.jfif" alt="Third slide">
      </div>
    </div>
    <a class="carousel-control-prev" href="#carouselExampleControls" role="button"
data-slide="prev">
```

```
        <span class="carousel-control-prev-icon" aria-hidden="true"></span>
        <span class="sr-only">Previous</span>
      </a>
      <a class="carousel-control-next" href="#carouselExampleControls" role="button"
data-slide="next">
        <span class="carousel-control-next-icon" aria-hidden="true"></span>
        <span class="sr-only">Next</span>
      </a>
    </div>
  </section>
  <!-- ============= carousel section starts here============= -->
```

Know more about sliders (carousel):
https://getbootstrap.com/docs/4.5/components/carousel/

Designing the "Shop by Category" Section

Output-

Shop By Category

Code-

```
  <!-- =============shop by category starts here============= -->
  <section class="shop_by_category py-5 my-5" id="shop_by_category">
    <div class="container-fluid">
      <div class="section_title text-center mb-5">
        <h1 class="text-capitalize">Shop By category</h1>
      </div>
```

```html
    <div class="row">
     <div class="col-md-4 col-12">
      <div class="card bg-dark text-white">
       <a href="category.html">
        <img class="card-img img img-fluid" src="assets/images/category1.jfif"
alt="Card image">
       </a>
      </div>
     </div>
     <div class="col-md-4 col-12 mt-small-5 mb-small-5">
      <div class="card bg-dark text-white">
       <a href="category.html">
        <img class="card-img img img-fluid" src="assets/images/category2.jfif"
alt="Card image">
       </a>
      </div>
     </div>
     <div class="col-md-4 col-12">
      <div class="card bg-dark text-white">
       <a href="category.html">
        <img class="card-img img img-fluid" src="assets/images/category3.jfif"
alt="Card image">
       </a>
      </div>
     </div>
    </div>
   </div>
  </section>
  <!-- =============shop by category ends here============= -->
```
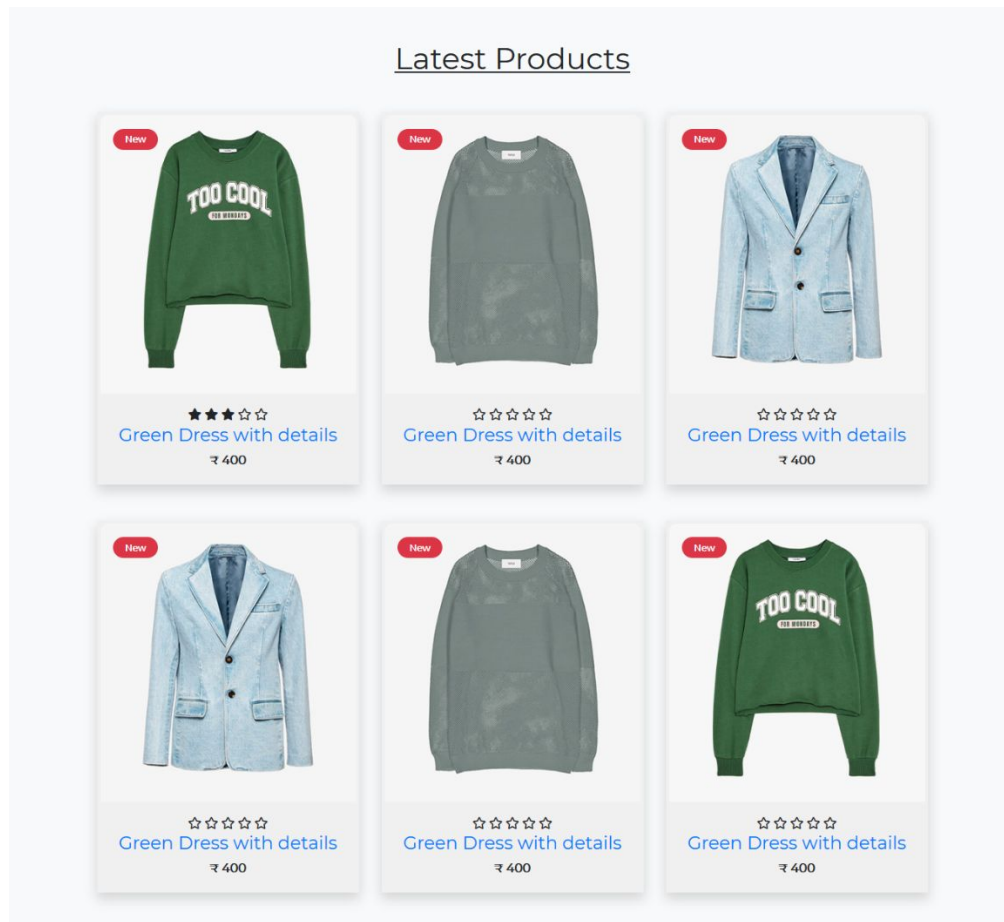
Designing the "Latest Products" Section

Output-

Code-

```
<!-- ==============products starts here============== -->
 <section class="products py-5 my-5 bg-light" id="products">
  <div class="container ">
   <div class="section_title text-center mb-5">
    <h1 class="text-capitalize">Latest Products</h1>
   </div>
   <div class="row mb-5">
    <div class="col-md-4 col-12">
     <div class="single_product shadow text-center p-1">
      <div class="product_img">
```

```html
       <a href="product_detail.html"><img src="assets/images/product1.png"
class="img img-fluid" alt=""></a>
        <div class="new_product">
         <span class="badge py-2 px-3 badge-pill badge-danger">New</span>
        </div>
       </div>
      <div class="product-caption my-3">
       <div class="product-ratting">
        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
        <i class="fas fa-star"></i>
        <i class="far fa-star low-star"></i>
        <i class="far fa-star low-star"></i>
       </div>
       <h4><a href="product_detail.html">Green Dress with details</a></h4>
       <div class="price">
        <b><span class="mr-1">₹</span><span>400</span></b>
       </div>
      </div>
     </div>
    </div>
    <div class="col-md-4 col-12">
     <div class="single_product shadow text-center p-1 mt-small-5 mb-small-5">
      <div class="product_img">
       <a href="product_detail.html"><img src="assets/images/product2.png"
class="img img-fluid" alt=""></a>
        <div class="new_product">
         <span class="badge py-2 px-3 badge-pill badge-danger">New</span>
        </div>
       </div>
      <div class="product-caption my-3">
       <div class="product-ratting">
        <i class="far fa-star"></i>
        <i class="far fa-star"></i>
        <i class="far fa-star"></i>
        <i class="far fa-star low-star"></i>
        <i class="far fa-star low-star"></i>
       </div>
       <h4><a href="product_detail.html">Green Dress with details</a></h4>
       <div class="price">
```

```html
          <b><span class="mr-1">₹</span><span>400</span></b>
        </div>
      </div>
     </div>
    </div>
    <div class="col-md-4 col-12">
     <div class="single_product shadow text-center p-1">
      <div class="product_img">
       <a href="product_detail.html"><img src="assets/images/product3.png"
class="img img-fluid" alt=""></a>
        <div class="new_product">
         <span class="badge py-2 px-3 badge-pill badge-danger">New</span>
        </div>
       </div>
       <div class="product-caption my-3">
        <div class="product-ratting">
         <i class="far fa-star"></i>
         <i class="far fa-star"></i>
         <i class="far fa-star"></i>
         <i class="far fa-star low-star"></i>
         <i class="far fa-star low-star"></i>
        </div>
        <h4><a href="product_detail.html">Green Dress with details</a></h4>
        <div class="price">
         <b><span class="mr-1">₹</span><span>400</span></b>
        </div>
       </div>
      </div>
     </div>
    </div>
    <div class="row">
     <div class="col-md-4 col-12">
      <div class="single_product shadow text-center p-1">
       <div class="product_img">
        <a href="product_detail.html"><img src="assets/images/product3.png"
class="img img-fluid" alt=""></a>
        <div class="new_product">
         <span class="badge py-2 px-3 badge-pill badge-danger">New</span>
        </div>
       </div>
```

```html
        <div class="product-caption my-3">
         <div class="product-ratting">
          <i class="far fa-star"></i>
          <i class="far fa-star"></i>
          <i class="far fa-star"></i>
          <i class="far fa-star low-star"></i>
          <i class="far fa-star low-star"></i>
         </div>
         <h4><a href="product_detail.html">Green Dress with details</a></h4>
         <div class="price">
          <b><span class="mr-1">₹</span><span>400</span></b>
         </div>
        </div>
       </div>
      </div>
     </div>
     <div class="col-md-4 col-12">
      <div class="single_product shadow text-center p-1 mt-small-5 mb-small-5">
       <div class="product_img">
        <a href="product_detail.html"><img src="assets/images/product2.png"
class="img img-fluid" alt=""></a>
        <div class="new_product">
         <span class="badge py-2 px-3 badge-pill badge-danger">New</span>
        </div>
       </div>
       <div class="product-caption my-3">
        <div class="product-ratting">
         <i class="far fa-star"></i>
         <i class="far fa-star"></i>
         <i class="far fa-star"></i>
         <i class="far fa-star low-star"></i>
         <i class="far fa-star low-star"></i>
        </div>
        <h4><a href="product_detail.html">Green Dress with details</a></h4>
        <div class="price">
         <b><span class="mr-1">₹</span><span>400</span></b>
        </div>
       </div>
      </div>
     </div>
     <div class="col-md-4 col-12">
```

```
        <div class="single_product shadow text-center p-1">
         <div class="product_img">
          <a href="product_detail.html"><img src="assets/images/product1.png"
class="img img-fluid" alt=""></a>
          <div class="new_product">
           <span class="badge py-2 px-3 badge-pill badge-danger">New</span>
          </div>
         </div>
         <div class="product-caption my-3">
          <div class="product-ratting">
           <i class="far fa-star"></i>
           <i class="far fa-star"></i>
           <i class="far fa-star"></i>
           <i class="far fa-star low-star"></i>
           <i class="far fa-star low-star"></i>
          </div>
          <h4><a href="product_detail.html">Green Dress with details</a></h4>
          <div class="price">
           <b><span class="mr-1">₹</span><span>400</span></b>
          </div>
         </div>
        </div>
       </div>
      </div>
     </div>
    </section>

    <!-- =============products ends here============= -->
```

Designing the "Features" Section

Output-

Code-

```html
<!-- =============feature starts here============= -->
  <section class="feature py-5 mt-5" id="feature">
   <div class="container">
    <div class="section_title text-center mb-5">
     <h1 class="text-capitalize">Our Features</h1>
    </div>
    <div class="row text-white">
     <div class="col-md-4 col-12 shadow p-3">
      <div class="text-center">
       <div class="mb-4">
        <i class="fas fa-shipping-fast fa-3x mb-3 pt-2"></i>
        <div>
         <h3>Free Shipping Method</h3>
        </div>
       </div>
       <div>
        Lorem ipsum dolor sit amet consectetur adipisicing elit. Dignissimos impedit id accusamus quas maxime
        expedita nostrum atque delectus deleniti ad modi repellat debitis ipsam quisquam amet, odit voluptate
        recusandae distinctio? Perferendis tenetur quibusdam porro dolor dignissimos id magnam debitis vitae?
       </div>
      </div>
     </div>
     <div class="col-md-4 col-12 shadow p-3 mt-small-5 mb-small-5">
      <div class="text-center">
       <div class="mb-4">
```
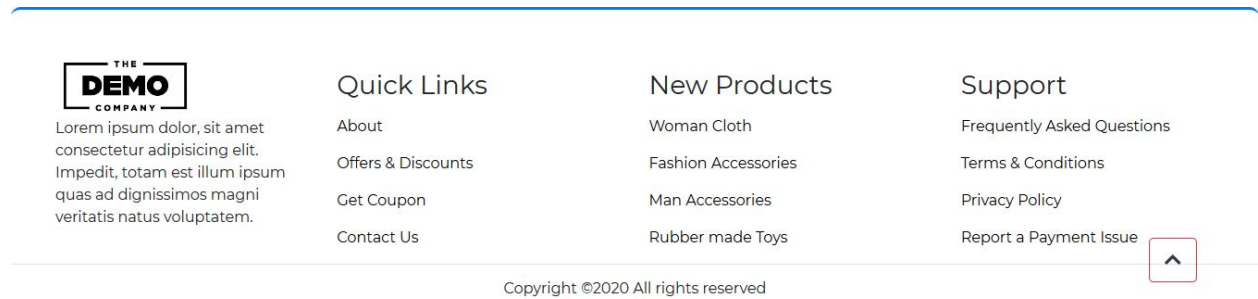
```
          <i class="fas fa-lock fa-3x mb-3 pt-2"></i>
          <div>
           <h3>Secure Payment System</h3>
          </div>
        </div>
        <div>
          Lorem ipsum dolor sit amet consectetur adipisicing elit. Dignissimos impedit id
accusamus quas maxime
          expedita nostrum atque delectus deleniti ad modi repellat debitis ipsam
quisquam amet, odit voluptate
          recusandae distinctio? Perferendis tenetur quibusdam porro dolor dignissimos
id magnam debitis vitae?
        </div>
       </div>
     </div>
     <div class="col-md-4 col-12 shadow p-3">
      <div class="text-center">
        <div class="mb-4">
         <i class="fas fa-headphones fa-3x mb-3 pt-2"></i>
         <div>
          <h3>24/7 Support</h3>
         </div>
        </div>
        <div>
          Lorem ipsum dolor sit amet consectetur adipisicing elit. Dignissimos impedit id
accusamus quas maxime
          expedita nostrum atque delectus deleniti ad modi repellat debitis ipsam
quisquam amet, odit voluptate
          recusandae distinctio? Perferendis tenetur quibusdam porro dolor dignissimos
id magnam debitis vitae?
        </div>
       </div>
      </div>
     </div>
    </div>
   </div>
  </section>

  <!-- ==============feature ends here============= -->
```

Designing the "Footer" & "Scroll to Top Button" Section

Output-

Code-

```html
<!-- =============footer starts here============= -->
<section class="footer_section pt-5 pb-2" id="footer_section">
  <footer>
    <div class="container-fluid">
      <div class="row">
        <div class="col-md-3 col-6 pl-5 pl-small-15">
          <div class="footer_title">
            <a href="index.html"><img src="assets/images/logo.png" width="150px" class="img img-fluid" alt="logo"></a>
          </div>
          <div>
            Lorem ipsum dolor, sit amet consectetur adipisicing elit. Impedit, totam est illum ipsum quas ad
            dignissimos magni veritatis natus voluptatem.
          </div>
        </div>
        <div class="col-md-3 col-6">
          <div class="footer_title pt-3 mb-3">
            <h3>Quick Links</h3>
          </div>
          <div class="footer_links">
            <ul>
              <li><a href="about.html">About</a></li>
              <li><a href="javascript:;">Offers & Discounts</a></li>
              <li><a href="javascript:;">Get Coupon</a></li>
              <li><a href="contact.html">Contact Us</a></li>
            </ul>
          </div>
        </div>
```

```html
      <div class="col-md-3 col-6">
       <div class="footer_title pt-3 mb-3">
        <h3>New Products</h3>
       </div>
       <div class="footer_links">
        <ul>
         <li><a href="javascript:;">Woman Cloth</a></li>
         <li><a href="javascript:;">Fashion Accessories</a></li>
         <li><a href="javascript:;">Man Accessories</a></li>
         <li><a href="javascript:;">Rubber made Toys</a></li>
        </ul>
       </div>
      </div>
      <div class="col-md-3 col-6">
       <div class="footer_title pt-3 mb-3">
        <h3>Support</h3>
       </div>
       <div class="footer_links">
        <ul>
         <li><a href="javascript:;">Frequently Asked Questions</a></li>
         <li><a href="javascript:;">Terms & Conditions</a></li>
         <li><a href="javascript:;">Privacy Policy</a></li>
         <li><a href="javascript:;">Report a Payment Issue</a></li>
        </ul>
       </div>
      </div>
     </div>
    </div>
    <div class="border-top">
     <h6 class="text-center mt-3">Copyright ©2020 All rights reserved
     </h6>
    </div>
   </footer>
</section>
<div class="backtop">
 <a id="button" href="#top" class="btn btn-lg btn-outline-danger" role="button">
  <i class="fas fa-chevron-up text-dark"></i>
 </a>
</div>
<!-- ==============footer ends here============== -->
```

Note:- To make the "Back to Top" effect go smoothly, add the following line in the style.css file you have created.

```css
* {

  scroll-behavior: smooth;

}
```

Here we have created the components with basic styling, you can create better by trying different styling & effects!