

Texas College of Management and IT

**Internet Fundamental and
Application**

Explore, Learn and Excel

Mini-Project

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1. Introduction

Sneakers is website dedicated to showcasing a wide selection of sneakers from top brands such as Nike, Puma, Adidas, New Balance, and Converse. The website offers users an intuitive browsing experience, where they can explore new and featured products, view detailed information on various sneaker models, and take advantage of special features like free worldwide shipping, easy returns, and gift card options.

The website is built using modern web technologies, including Bootstrap, which ensures a responsive and mobile-friendly design. The website also includes sections for customer support, company information, and product categories, making it easy for visitors to navigate and find their desired products. Additionally, the project is responsive and has been published on GitHub, providing access to the codebase for developers and contributors.

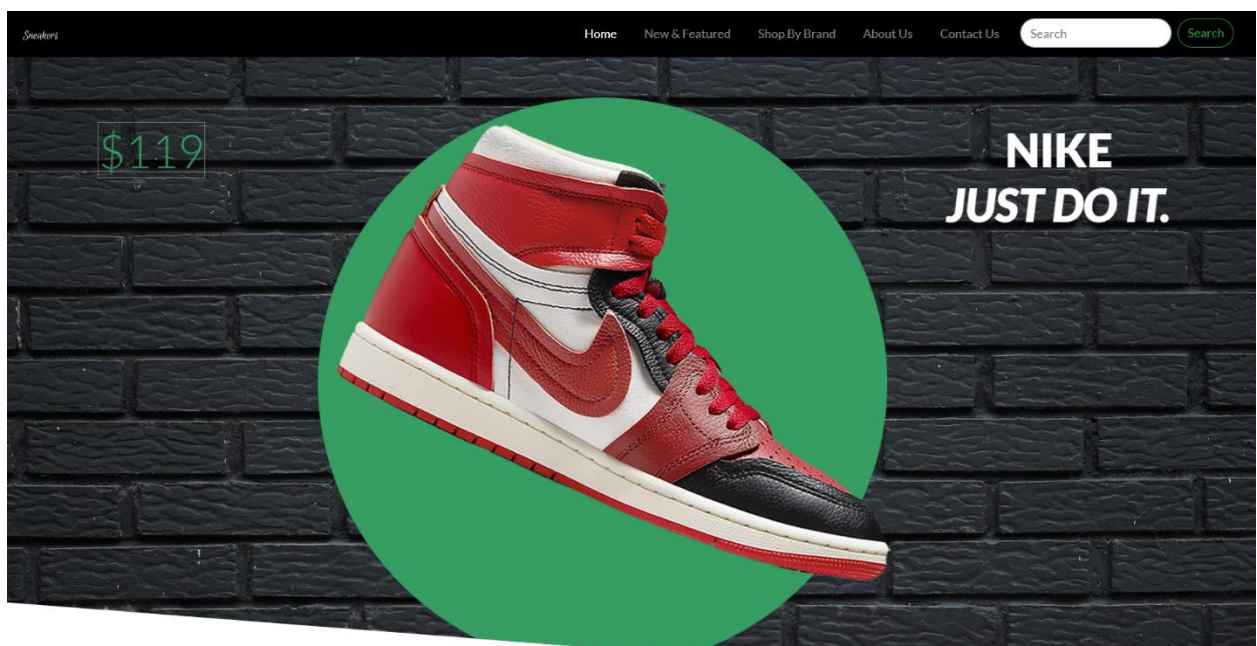


Figure 1- Website Home

2. Technology Used

2.1. HTML (Hyper-Text Markup Language)

- Used to structure the content of the web pages, including elements like headings, paragraphs, images, and links.

2.2. CSS (Cascading Style Sheets)

- Used for styling the HTML content, defining the layout, colors, fonts, and overall visual presentation of the website. The external stylesheet (style.css) is linked in the HTML document.

2.3. JavaScript

- Included for adding interactivity and dynamic behavior to the web pages. It appears that external JavaScript libraries and frameworks like jQuery and Bootstrap's JavaScript components are used to handle elements such as sliders, navigation toggles, and other interactive features.

2.4. Bootstrap 4

- A popular front-end framework that combines HTML, CSS, and JavaScript to create responsive and mobile-first web designs. It is used to build the navigation bar, forms, and other components in a consistent and responsive manner.

3. Topics

3.1. Navigation Bar



Figure 2- Navigation Bar

- The navigation bar on the Sneakers website is designed using Bootstrap 4, offering a clean and responsive interface that allows users to easily navigate through the site. It prominently features the brand name on the left, accompanied by links to essential pages such as "New & Featured," "Shop By Brand," "Sale," and "About Us." The navbar is adaptive, collapsing into a toggleable menu on smaller screens to ensure a smooth and accessible user experience across all devices. This design ensures users can effortlessly find and explore the content they need, making their browsing experience seamless and enjoyable.

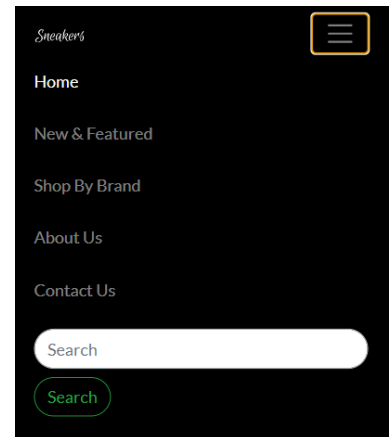


Figure 3- Responsive Nav Bar

```
<nav class="navbar navbar-expand-lg navbar-dark bg-black">
  <a class="navbar-brand" href="#home"></a>
  <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarNav" aria-controls="navbarNav" aria-expanded="false" aria-label="Toggle navigation">
    <span class="navbar-toggler-icon"></span>
  </button>
  <div class="collapse navbar-collapse" id="navbarNav">
    <ul class="navbar-nav ml-auto">
      <li class="nav-item active">
        <a class="nav-link" href="#home">Home</a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="#New&Featured">New & Featured</a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="/shop_by_brand.html">Shop By Brand</a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="/about_us.html">About Us</a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="/contact_us.html">Contact Us</a>
      </li>
      <li class="nav-item">
        <form class="form-inline my-2 my-lg-0">
          <input class="form-control mr-sm-2" type="search" placeholder="Search" aria-label="Search">
          <button class="btn btn-outline-success my-2 my-sm-0" type="submit">Search</button>
        </form>
      </li>
    </ul>
  </div>
</nav>
```

Figure 4- Code for Nav Bar

3.2. Home & Slider



Figure 5- Home & Slider

```
<section class="Home" id="Home">
  <div class="slider">
    <div class="sliderWrapper">
      <div class="sliderItem">
        
        <div class="sliderBg"></div>
        <h1 class="sliderTitle">NIKE</br><i> JUST DO IT.</i> </h1>
        <h3 class="sliderPrice">$119</h3>
      </div>
      <div class="sliderItem">
        
        <div class="sliderBg"></div>
        <h1 class="sliderTitle">PUMA </br><i> FOREVER. FASTER.</i> </h1>
        <h3 class="sliderPrice">$149</h3>
      </div>
      <div class="sliderItem">
        
        <div class="sliderBg"></div>
        <h1 class="sliderTitle">ADIDAS </br> <i> Impossible Is Nothing.</i> </h1>
        <h3 class="sliderPrice">$109</h3>
      </div>
      <div class="sliderItem">
        
        <div class="sliderBg"></div>
        <h1 class="sliderTitle">NEW BALANCE </br> <i> Perfect Balance</i></h1>
        <h3 class="sliderPrice">$99</h3>
      </div>
      <div class="sliderItem">
        
        <div class="sliderBg"></div>
        <h1 class="sliderTitle">CONVERSE </br> <i> Converse for comfort.</i></h1>
        <h3 class="sliderPrice">$99</h3>
      </div>
    </div>
  </div>
</div>
```

Figure 6- Code for Home & Slider

3.3. Features




Figure 7- Features

```
<div class="features">
  <div class="feature">
    
    <span class="featureTitle">FREE SHIPPING</span>
    <span class="featureDesc">Free worldwide shipping on all orders.</span>
  </div>
  <div class="feature">
    
    <span class="featureTitle">30 DAYS RETURN</span>
    <span class="featureDesc">No question return and easy refund in 14 days.</span>
  </div>
  <div class="feature">
    
    <span class="featureTitle">GIFT CARDS</span>
    <span class="featureDesc">Buy gift cards and use coupon codes easily.</span>
  </div>
  <div class="feature">
    
    <span class="featureTitle">CONTACT US!</span>
    <span class="featureDesc">Keep in touch via email and support system.</span>
  </div>
</div>
```

Figure 8- Code for Features

3.4. New & Featured



JORDAN 1'S

\$119

Discover our top sneaker picks! Embrace timeless style with iconic high-tops, elevate your game with cutting-edge performance shoes, and keep it classic with versatile canvas sneakers. For dynamic play, choose advanced court shoes, or enjoy everyday comfort with durable, cushioned kicks. Find your perfect pair and step up your style today!

42

43

44

BUY NOW!

Figure 9- New & Featured

```
<section class="New&Featured" id="New&Featured">
  <div class="product" id="product">
    <input type="radio" name="color" id="color-red" checked>
    <input type="radio" name="color" id="color-gray">
    
    
    <div class="productDetails">
      <h1 class="productTitle">JORDAN 1'S</h1>
      <h2 class="productPrice">$119</h2>
      <p class="productDesc">Discover our top sneaker picks! Embrace timeless style with iconic high-tops, elevate your game with cutting-edge performance shoes
    <div class="colors">
      <label for="color-red" class="color color-red"></label>
      <label for="color-gray" class="color color-gray"></label>
    </div>
    <div class="sizes">
      <label class="size">
        <input type="radio" name="size" id="size-42" hidden>
        <span>42</span>
      </label>
      <label class="size">
        <input type="radio" name="size" id="size-43" hidden>
        <span>43</span>
      </label>
      <label class="size">
        <input type="radio" name="size" id="size-44" hidden>
        <span>44</span>
      </label>
    </div>
    <div class="productButton">BUY NOW!</div>
  </div>
</section>
```

Figure 10- Code for New & Featured

3.5. Gallery & New Season Section

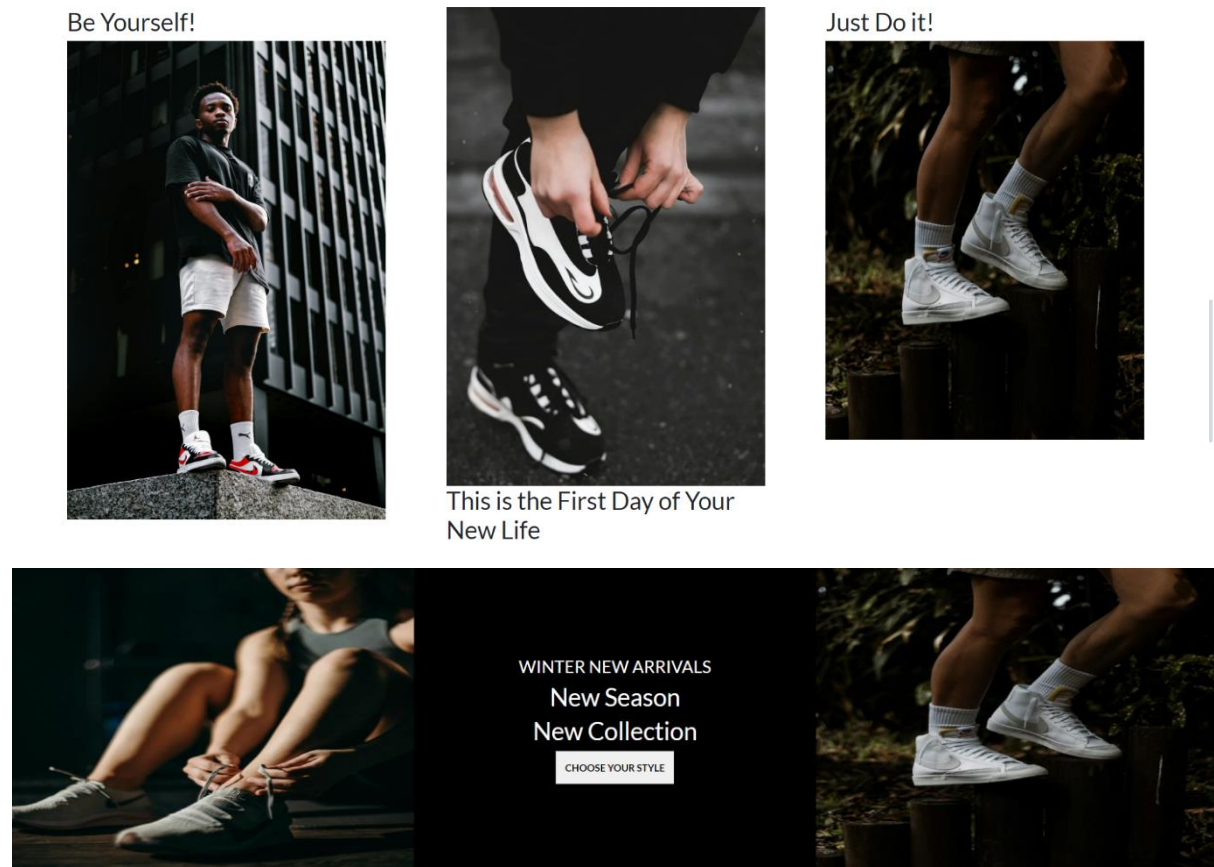


Figure 11- Gallery & New Season Section

```
<div class="gallery">
  <div class="galleryItem">
    <h1 class="galleryTitle">Be Yourself!</h1>
    
    </div>
    <div class="galleryItem">
      
      <h1 class="galleryTitle">This is the First Day of Your New Life</h1>
    </div>
    <div class="galleryItem">
      <h1 class="galleryTitle">Just Do it!</h1>
      
    </div>
  </div>
  <div class="newSeason">
    <div class="nsItem">
      
    </div>
    <div class="nsItem">
      <h3 class="nsTitleSm">WINTER NEW ARRIVALS</h3>
      <h1 class="nsTitle">New Season</h1>
      <h1 class="nsTitle">New Collection</h1>
      <a href="/shop_by_brand.html">
        <button class="nsButton">CHOOSE YOUR STYLE</button>
      </a>
    </div>
    <div class="nsItem">
      
    </div>
  </div>
</div>
```

Figure 12- Code for Gallery & New Season Section

3.6. Shop By Brand



PUMA x LaMelo Ball MB.03

\$149

The PUMA x LaMelo Ball MB.03 fuses bold design with high-performance features. This striking sneaker boasts dynamic aesthetics and advanced cushioning for ultimate comfort and support. Available in vibrant colorways that reflect LaMelo Ball's distinctive style.



42	43	44
----	----	----

BUY NOW!



Adidas-Trae Young 3

\$109

The adidas Trae Young 3 shoes deliver unmatched performance and sleek design. Engineered for agility and comfort on the court, these sneakers feature responsive cushioning and a modern aesthetic. Available in various colors to complement your game and style.



42	43	44
----	----	----

BUY NOW!



New Balance 570 Core

\$99

The New Balance 573 Core blends classic style with everyday comfort. Featuring a durable design and cushioned support, this sneaker offers both versatility and a timeless look. Available in several versatile colors to suit any wardrobe.



42	43	44
----	----	----

BUY NOW!



Converse Chuck Taylor All Star

\$99

The Converse Chuck Taylor All Star is a timeless icon of casual style. With its classic canvas upper and signature rubber sole, this sneaker offers both comfort and versatility. Available in a wide array of colors to match any outfit.



Figure 13- Shop by Brand

Shubham Kayastha

LC00017002810

```
<section class="shopByBrand">
  <div class="product product1">
    <input type="radio" name="product1-color" id="product1-red" checked>
    <input type="radio" name="product1-color" id="product1-gray">

    <div class="productDetails">
      <h1 class="productTitle"><b>NIKE Jordan 1's High</b></h1>
      <h2 class="productPrice">$119</h2>
      <p class="productDesc"><h4><i>The Nike Air Jordan 1 blends classic style with modern comfort. Its timeless silhouette, featur

      <div class="colors">
        <label for="product1-red" class="color color-red"></label>
        <label for="product1-gray" class="color color-gray"></label>
      </div>

      <div class="sizes">
        <label class="size">
          <input type="radio" name="product1-size" id="product1-size-42" hidden>
          <span>42</span>
        </label>
        <label class="size">
          <input type="radio" name="product1-size" id="product1-size-43" hidden>
          <span>43</span>
        </label>
        <label class="size">
          <input type="radio" name="product1-size" id="product1-size-44" hidden>
          <span>44</span>
        </label>
      </div>
    </div>
  </div>

  <div class="product product3">
    <input type="radio" name="product3-color" id="product3-pearl" checked>
    <input type="radio" name="product3-color" id="product3-blue">

    <div class="productDetails">
      <h1 class="productTitle"><b>Adidas-Trae Young 3 </b></h1>
      <h2 class="productPrice">$109</h2>
      <p class="productDesc"><h4><i>The adidas Trae Young 3 shoes deliver unmatched performance and sleek design. Engineered for ag

      <div class="colors">
        <label for="product3-pearl" class="color color-pearl"></label>
        <label for="product3-blue" class="color color-blue"></label>
      </div>

      <div class="sizes">
        <label class="size">
          <input type="radio" name="product3-size" id="product3-size-42" hidden>
          <span>42</span>
        </label>
        <label class="size">
          <input type="radio" name="product3-size" id="product3-size-43" hidden>
          <span>43</span>
        </label>
        <label class="size">
          <input type="radio" name="product3-size" id="product3-size-44" hidden>
          <span>44</span>
        </label>
      </div>

      <button class="productButton">BUY NOW!</button>
    </div>
  </div>
```

Figure 14- Code for Shop by Brand

(ps. This is not the full code)

3.7. About Us



Figure 15- About Us

```
<main>
  <section class="about-intro">
    <h1>About Us</h1>
    <div class="about-intro-content">
      <p><b>Welcome to Sneakers!</b></br> At Sneakers, we started with a simple dream: to deliver stylish, high-quality sneakers at
    </div>
    <div class="about-intro-image">
      
    </div>
  </section>

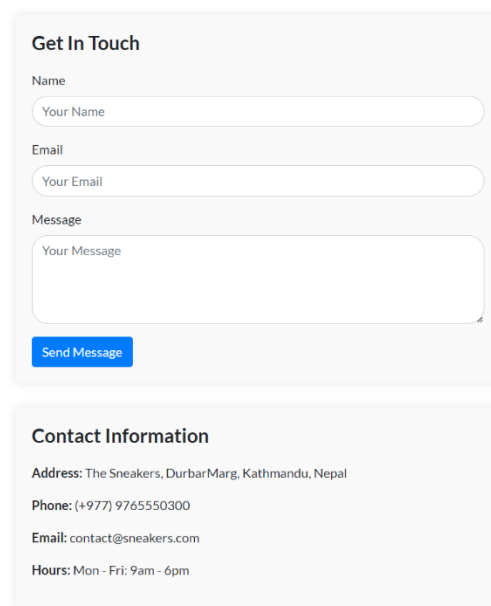
  <section class="about-vision">
    <h2>Our Vision</h2>
    <div class="about-vision-content">
      <div class="about-vision-image">
        
      </div>
      <div class="about-vision-text">
        <p>At Sneakers, our vision is to harmonize innovation with tradition, crafting footwear that inspires and endures. We are
      </div>
    </div>
  </section>

  <section class="about-story">
    <div class="about-story-header">
      <h2>Our Story</h2>
    </div>
    <div class="about-story-content">
      <p>At Sneakers, our story is one of relentless dedication and overcoming adversity. The journey began with a small team of pa
      <div class="about-story-image">
        
      </div>
    </div>
  </section>

  <section class="about-team">
    <h2>Meet the Team</h2>
    <div class="team-container">
      <div class="team-member ceo">
        
        <h3>John Doe</h3>
        <p>Founder & CEO</p>
      </div>
      <div class="team-members">
        <div class="team-member">
          
          <h3>Tony Stark</h3>
          <p>Head of Design</p>
        </div>
        <div class="team-member">
          
          <h3>Dorje Dong</h3>
          <p>Marketing Director</p>
        </div>
        <div class="team-member">
          
          <h3>Emily Davis</h3>
          <p>Product Manager</p>
        </div>
      </div>
    </div>
  </section>
</main>
```

Figure 16- Code for About Us

3.8. Contact Us



Get In Touch

Name

Email

Message

Contact Information

Address: The Sneakers, DurbarMarg, Kathmandu, Nepal

Phone: (+977) 9765550300

Email: contact@sneakers.com

Hours: Mon - Fri: 9am - 6pm

Figure 17- Contact Us

```
<div class="contact-us">
  <div class="contact-form">
    <h2 class="contact-title">Get In Touch</h2>
    <form>
      <div class="form-group">
        <label for="name">Name</label>
        <input type="text" class="form-control" id="name" placeholder="Your Name">
      </div>
      <div class="form-group">
        <label for="email">Email</label>
        <input type="email" class="form-control" id="email" placeholder="Your Email">
      </div>
      <div class="form-group">
        <label for="message">Message</label>
        <textarea class="form-control" id="message" rows="4" placeholder="Your Message"></textarea>
      </div>
      <button type="submit" class="btn btn-primary">Send Message</button>
    </form>
  </div>
  <div class="contact-info">
    <h2 class="contact-title">Contact Information</h2>
    <p><strong>Address:</strong> The Sneakers, DurbarMarg, Kathmandu, Nepal</p>
    <p><strong>Phone:</strong> (+977) 9765550300</p>
    <p><strong>Email:</strong> contact@sneakers.com</p>
    <p><strong>Hours:</strong> Mon - Fri: 9am - 6pm</p>
  </div>
</div>
```

Figure 18- Code for Contact Us

3.9. Footer

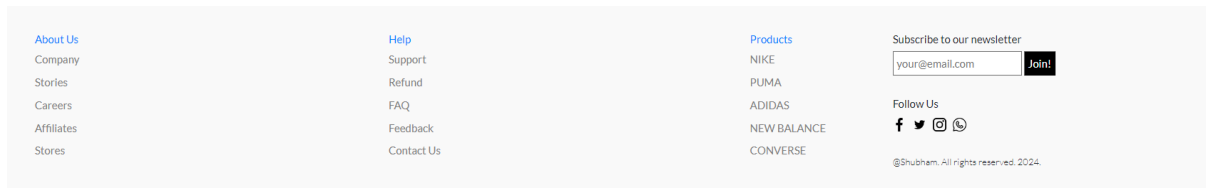


Figure 19- Footer

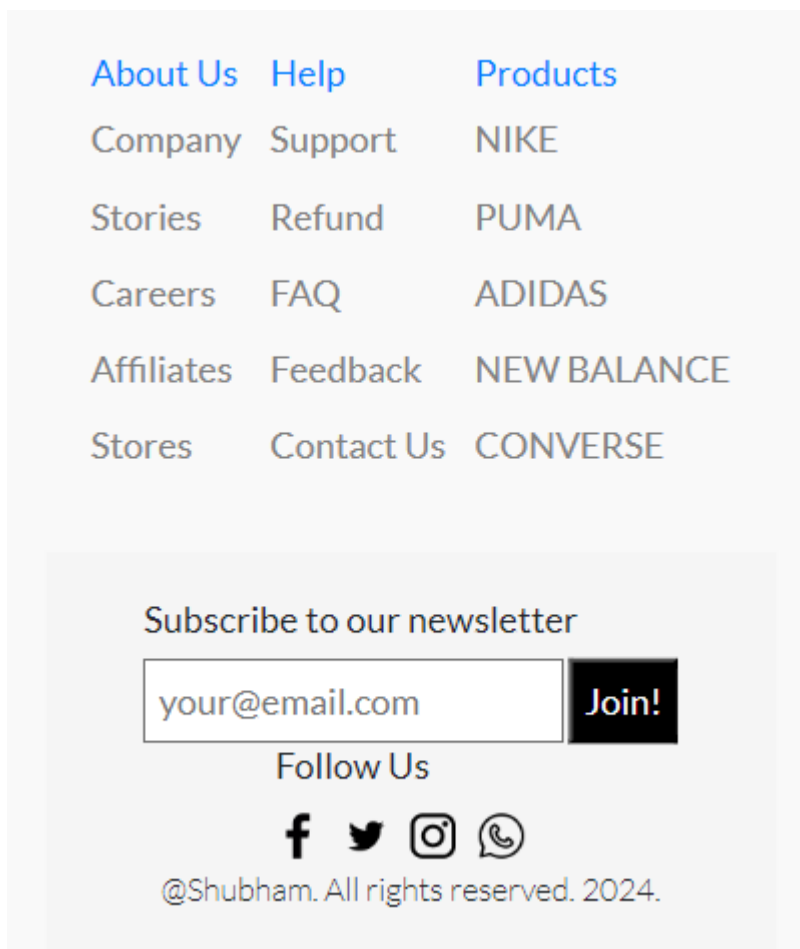


Figure 20- Responsive Footer


```
<footer>
  <div class="footerLeft">
    <div class="footerMenu">
      <a href="/about_us.html">
        <h1 class="fMenuTitle">About Us</h1>
        <ul class="fList">
          <li class="fListItem">Company</li>
          <li class="fListItem">Stories</li>
          <li class="fListItem">Careers</li>
          <li class="fListItem">Affiliates</li>
          <li class="fListItem">Stores</li>
        </ul>
      </a>
    </div>
    <div class="footerMenu">
      <a href="/contact_us.html">
        <h1 class="fMenuTitle">Help</h1>
        <ul class="fList">
          <li class="fListItem">Support</li>
          <li class="fListItem">Refund</li>
          <li class="fListItem">FAQ</li>
          <li class="fListItem">Feedback</li>
          <li class="fListItem">Contact Us</li>
        </ul>
      </a>
    </div>
    <div class="footerMenu">
      <a href="/shop_by_brand.html">
        <h1 class="fMenuTitle">Products</h1>
        <ul class="fList">
          <li class="fListItem">NIKE</li>
          <li class="fListItem">PUMA</li>
          <li class="fListItem">ADIDAS</li>
          <li class="fListItem">NEW BALANCE</li>
          <li class="fListItem">CONVERSE</li>
        </ul>
      </a>
    </div>
  </div>
  <div class="footerRight">
    <div class="footerRightMenu">
      <h1 class="fMenuTitle">Subscribe to our newsletter</h1>
      <div class="fMail">
        <input type="text" placeholder="your@email.com" class="fInput">
        <button class="fButton">Join!</button>
      </div>
    </div>
    <div class="footerRightMenu">
      <h1 class="fMenuTitle">Follow Us</h1>
      <div class="fIcons">
        <a href="https://www.facebook.com/shuvshubham.kayastha/"></a>
        <a href="https://x.com/the_kayastha"></a>
        <a href="https://www.instagram.com/shubham_kayastha/"></a>
        <a href="https://wa.me/9779765550300"></a>
      </div>
    </div>
    <div class="footerRightMenu">
      <span class="copyright">@Shubham. All rights reserved. 2024.</span>
    </div>
  </div>
</footer>
```

Figure 21- Code for Footer

4. Problems Faced

4.1. Styling Conflicts

- I encountered problems with some styling issues when combining custom CSS with Bootstrap's predefined classes.

4.2. Responsive Design Issues

- I faced challenges with elements not scaling well on different screen sizes, which led to issues like text overflow, cut-off images, and a poor user experience on mobile devices.

4.3. JavaScript Errors

- When I integrate JavaScript to add interactive features like dropdowns, I often run into issues if there are syntax errors or conflicts with other things.

4.4. Broken Links/Images

- When I encounter missing or incorrect file paths, it often results in images not displaying and links being broken, which disrupts the flow and functionality of the site.

5. Solutions

5.1. Styling Conflicts

- To tackle styling conflicts between custom CSS and Bootstrap, I ensure that I use more specific selectors for my custom styles and check the order of my CSS files.

5.2. Responsive Design Issues

- For responsive design problems, I use media queries to adjust styles for different screen sizes. Testing on various devices and using flexible layouts with relative units help avoid text overflow and cut-off images.

5.3. JavaScript Errors

- To resolve JavaScript issues, I carefully review my code for syntax errors and ensure compatibility with other libraries.

5.4. Broken Links/Images

- To fix broken links and images, I double-check file paths for accuracy and ensure that files are correctly linked. Regularly testing links and images during development helps maintain site functionality.

6. Result Achieved

- The project resulted in a fully responsive and visually appealing website that effectively showcases a sneaker-selling platform. Created using HTML, CSS, JavaScript, and Bootstrap, the site demonstrates the seamless integration of these technologies to achieve a polished and functional design. The use of responsive design principles ensures that the website provides an optimal viewing experience across a variety of devices, from desktops to mobile phones. By leveraging Bootstrap's framework, the project not only enhanced the aesthetic appeal but also facilitated a streamlined development process. The successful completion of this website highlights both technical proficiency and attention to user experience, making it a standout example of modern web design and development practices.

7. Conclusion

- The Sneakers project demonstrates the effective use of website technology to create a simple website for beginners. This mini-project not only introduces fundamental concepts but also provides hands-on experience in managing and troubleshooting common issues. By working through various challenges, participants gain valuable problem-solving skills, learning to identify and resolve errors efficiently. Additionally, the project fosters a deeper understanding of web development processes, from initial design to final implementation, preparing individuals for more complex projects in the future. Overall, the Sneakers project serves as an excellent foundation for anyone looking to build a strong base in web development.