

CSD 2214 - Front End Web Development II

Project Report

Sneaker Website: “Kicks”

<https://github.com/Puttaz/Kicks>



Submitted By:

C0866617: Ayushi Kataria

C0866199: WWM Pubudu Prabakara Bandara

INTRODUCTON TO OUR WEBSITE

Introduction Kicks sneakers is an E-commerce web site targeting the Nike sneaker audience. Sneakers are versatile in their utility as well as fashion and prestige. Nike sneakers web is a knowledge hub of design and technology and at the same time an online store for customers to buy their favorite brand.

Technologies Used

1. HTML 5.0

The web site is programmed using html 5 to get the full potential of advanced

features, Semantic tags are used where necessary for accessibility features.

2. CSS 3.0

Styling is done using CSS 3 to support responsive design and external style

sheets are used to separate markup and appearance throughout the project.

Layout and styling is also done using separate external styling sheets for

increased maintainability.

3. SPA, MPA or Hybrid

The web site uses a hybrid approach as SPA as sub applications of MPA. To

reduce the drawbacks of SPA like poor SEO and poor browsing history

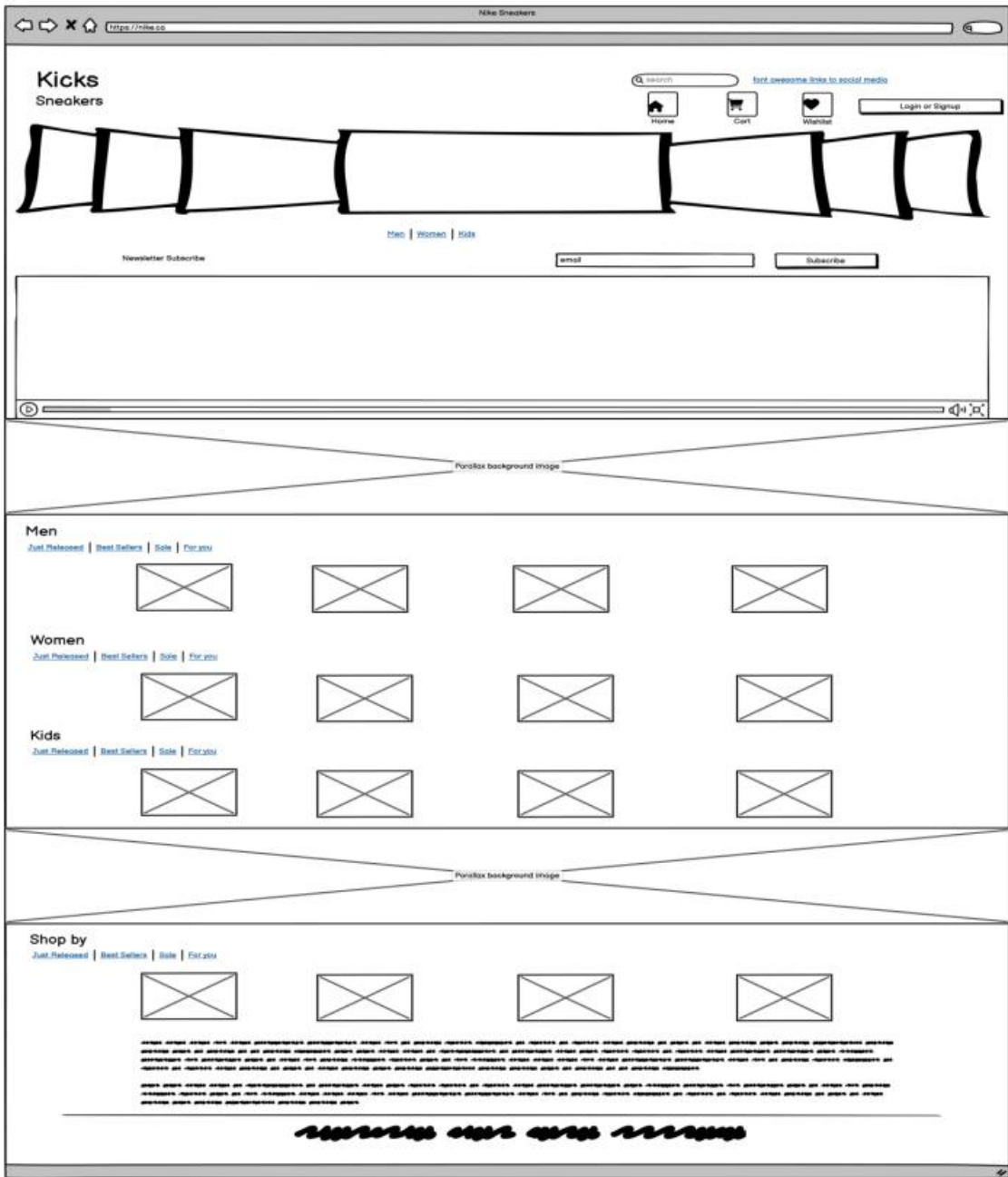
experience, and drawbacks of performance in MPA. Modular Hybrid approach is used.

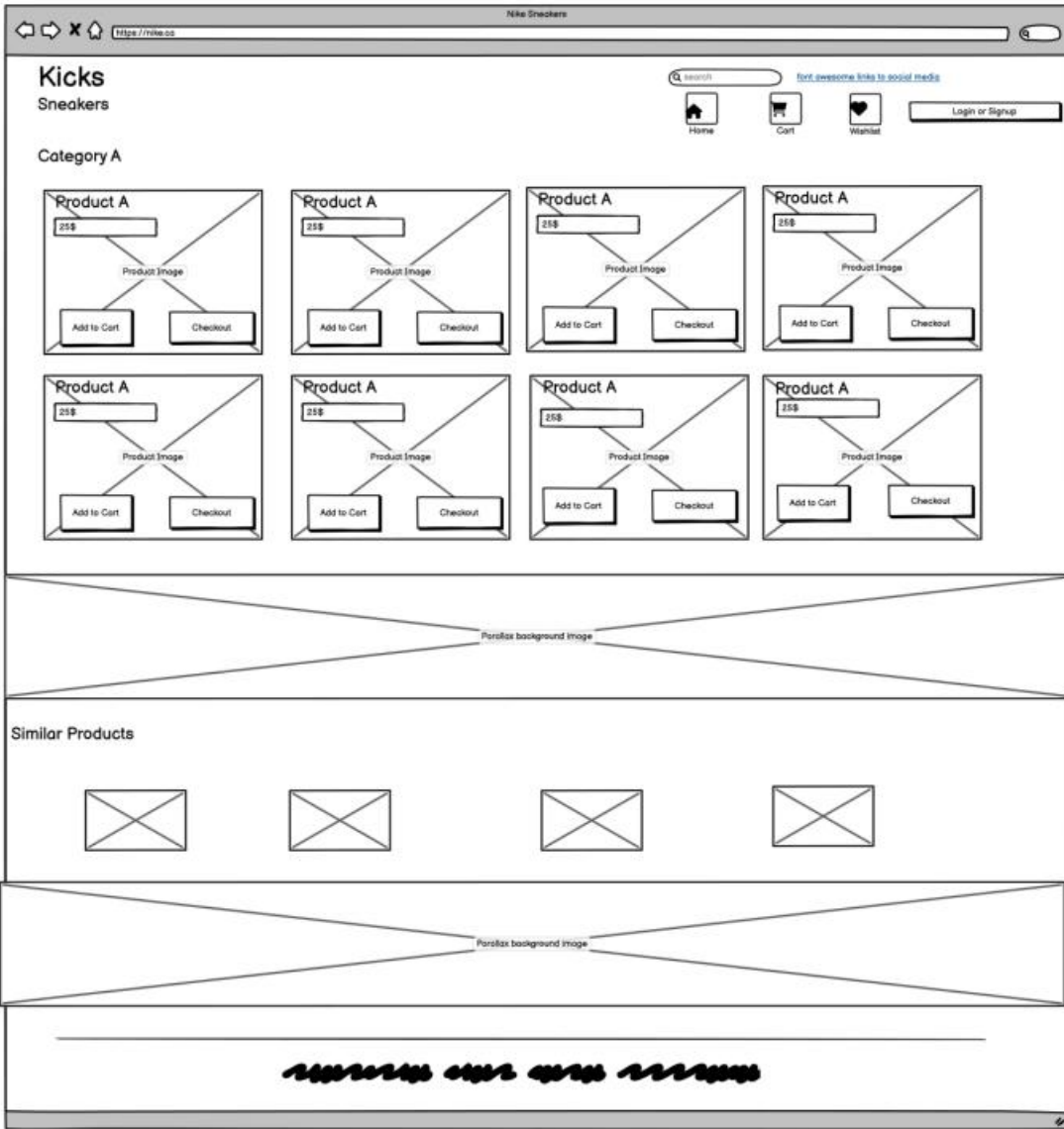
4. JavaScript

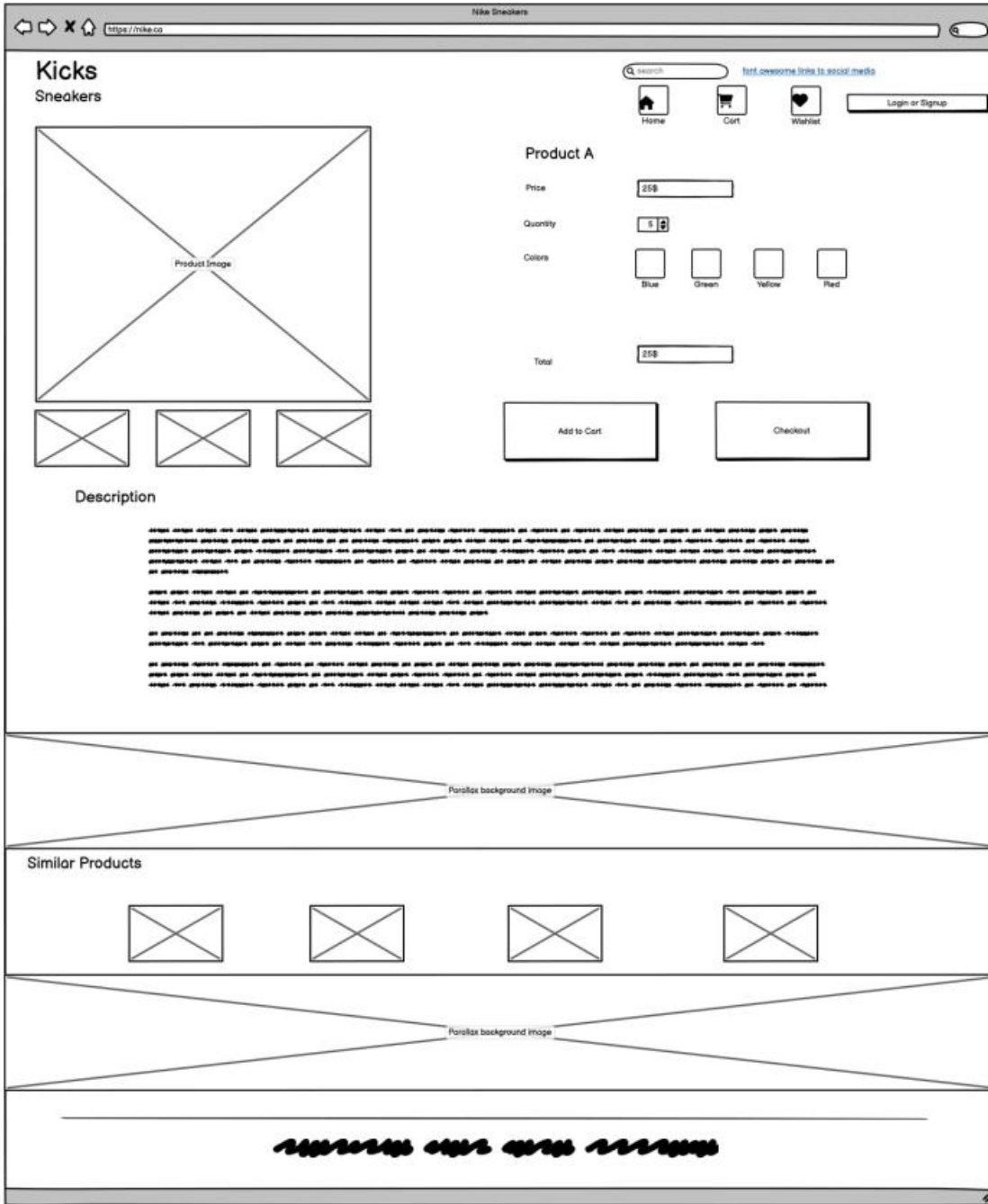
Making interactive web pages is possible with JavaScript, a text-based programming language used both on the client-side and server-side. JavaScript adds interactive aspects to online sites that keep users interested, whereas HTML and CSS are languages that provide web pages structure and design.

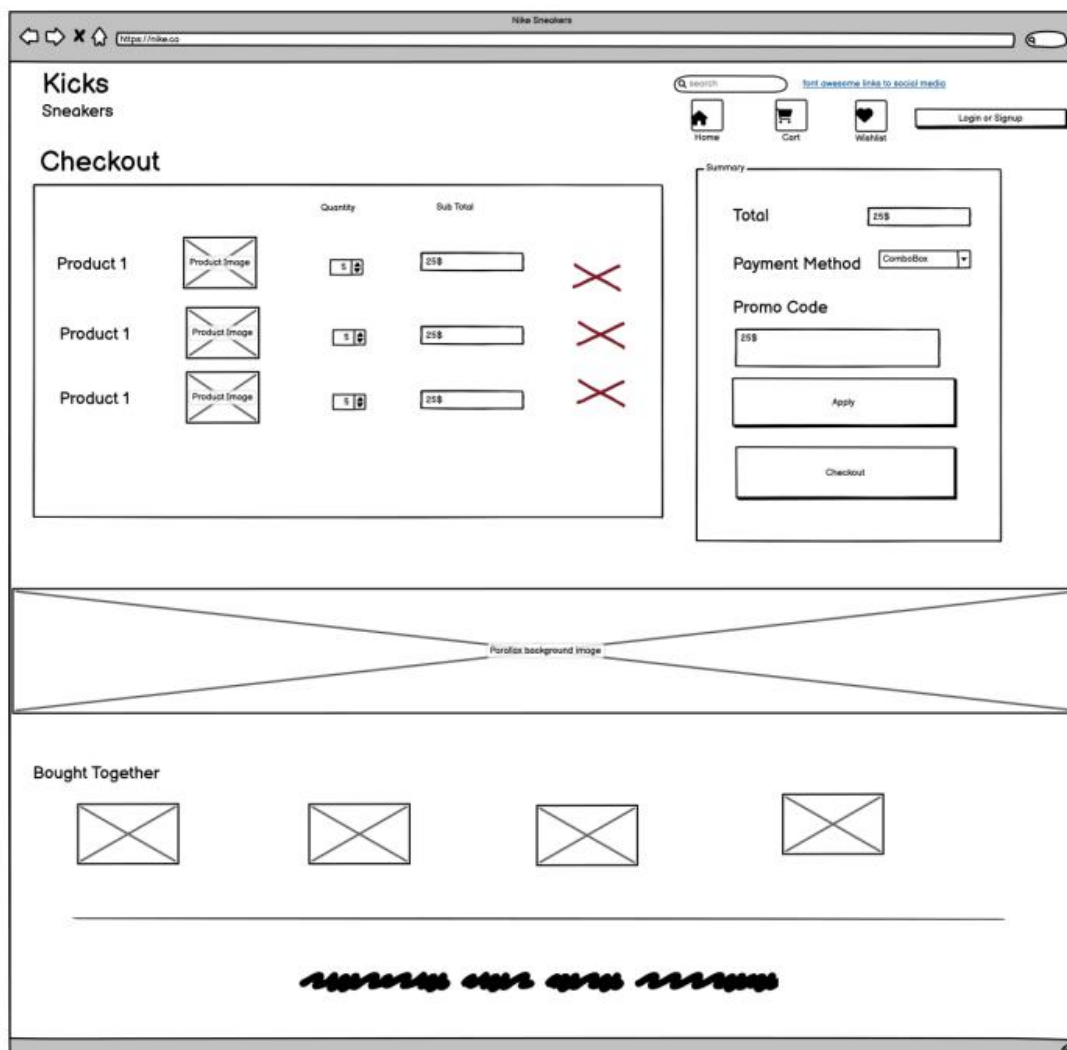


Wireframes









Design Features

Responsive Design

It is referred to as responsive design when websites are created and deployed to accommodate all browser and screen sizes.

When layouts are fixed, different-sized windows distort the website's structure and cause a very unpleasant user experience. By employing suitable CSS methods, the website's structure may be maintained.

Mobile Friendly

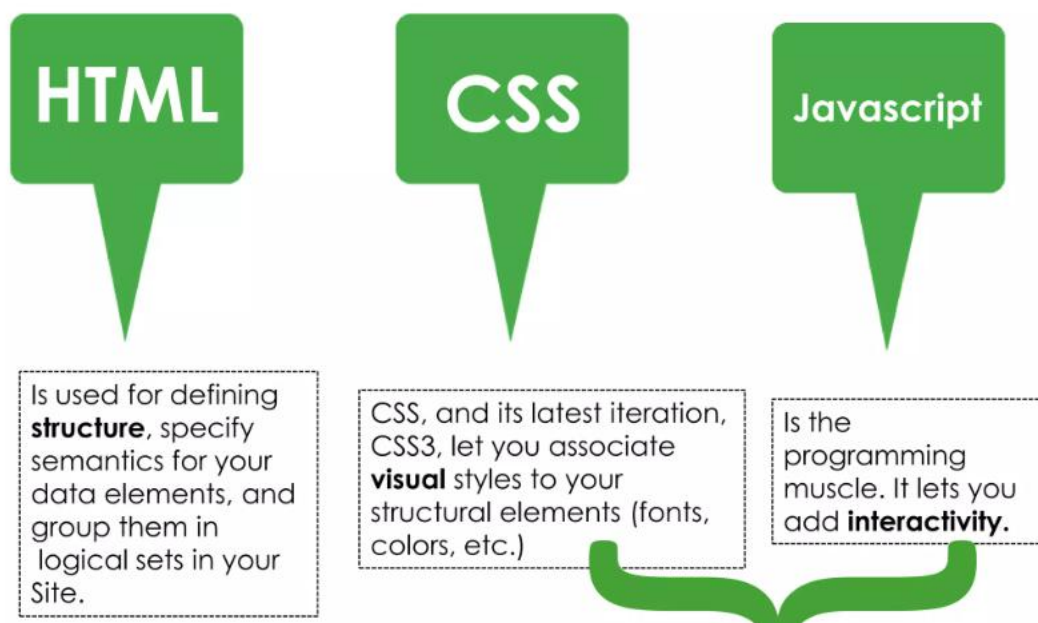
When a website is mobile friendly, it is made to function perfectly on mobile devices. For instance, large navigation bars cannot fit on a small mobile screen, necessitating extra website layout.

W3C Validated

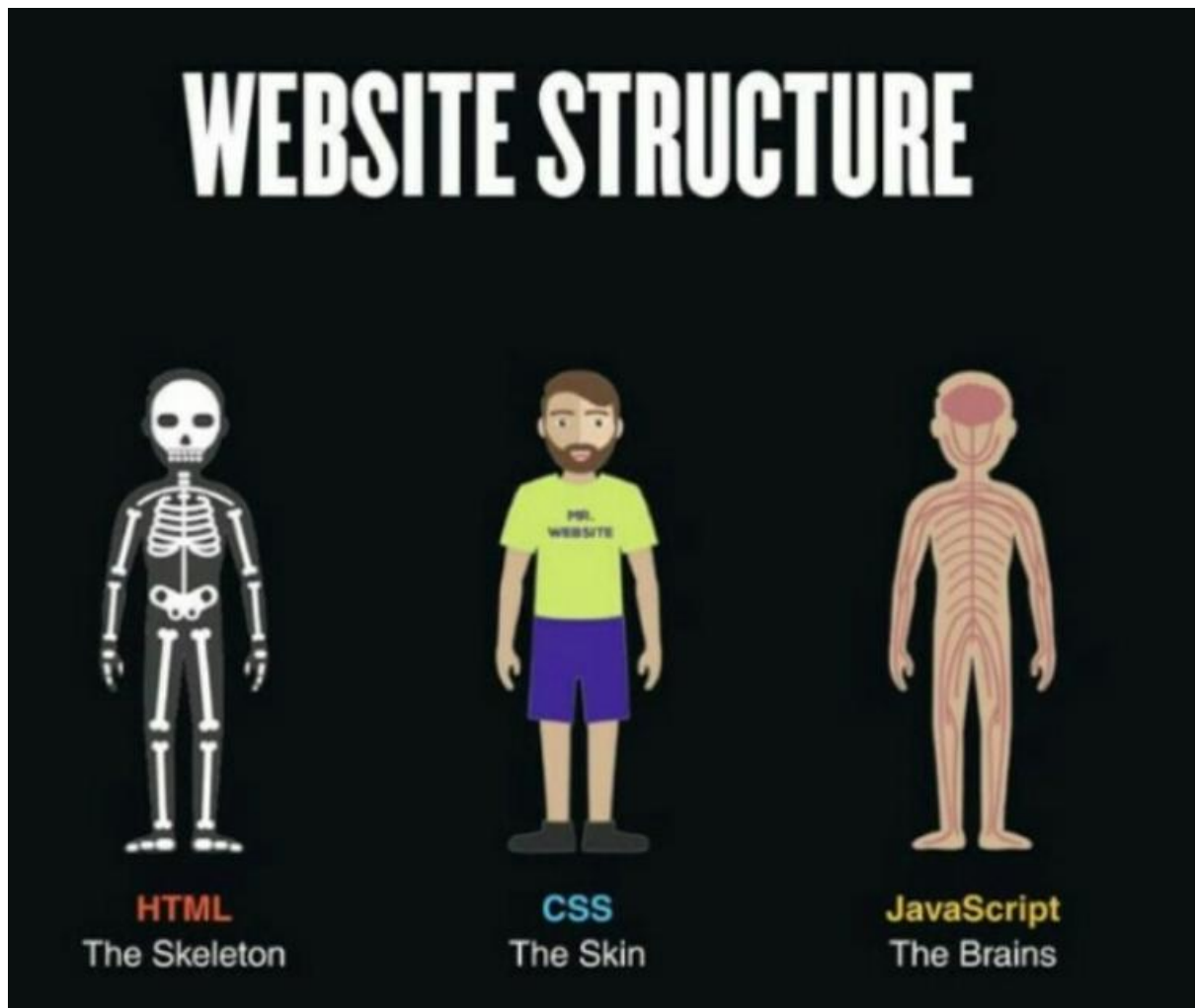
The W3C maintains standards for HTML 5, and an online markup validation tool is provided to assist developers. When utilized, developers may recognise the problems and alerts and fix them for the intended purpose.

Search Engine Optimization (SEO)

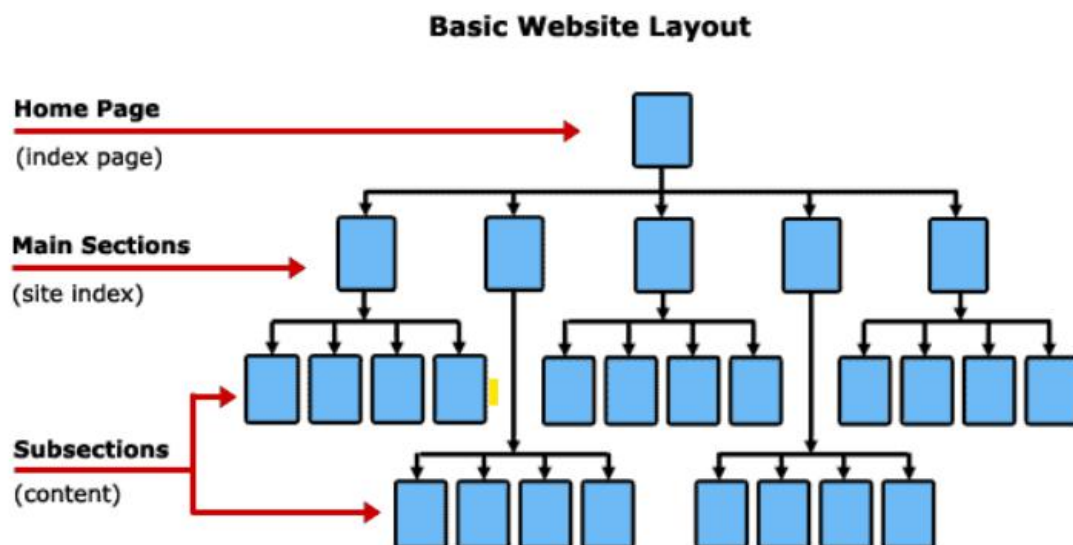
Users find the services or products they need by searching on a search engine provider. Therefore, it is crucial for online companies to rank highly in the search results for a term. Developers will provide all the necessary information for web crawlers to classify the website for specified keywords after SEO is completed.



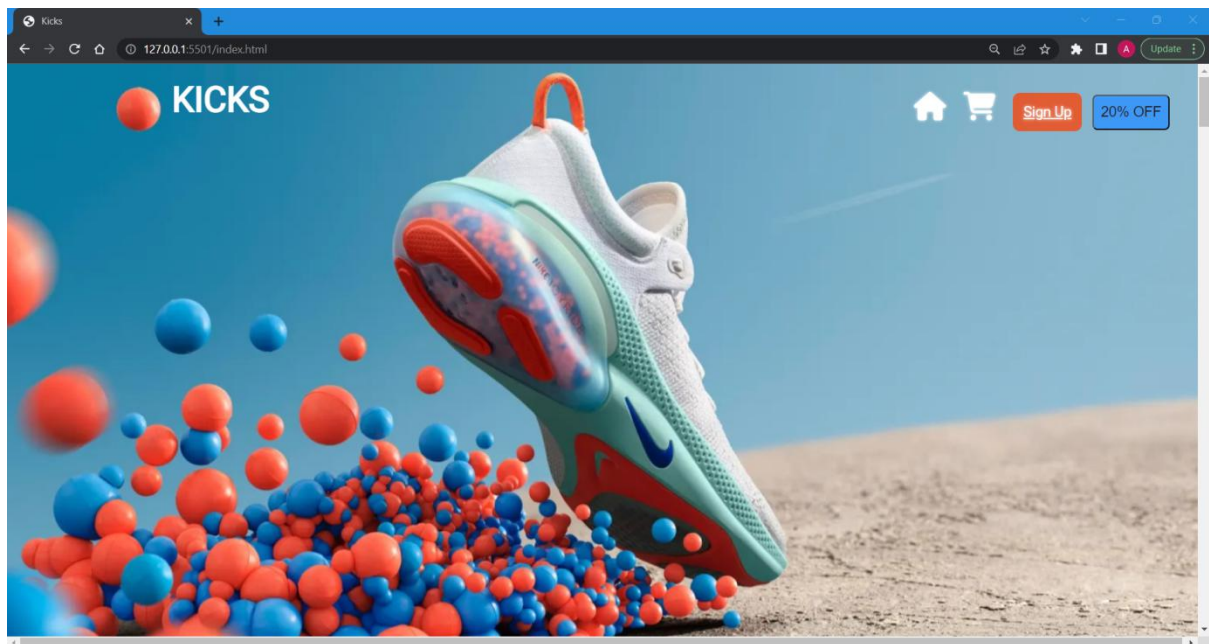
Website Structure



Website Layout



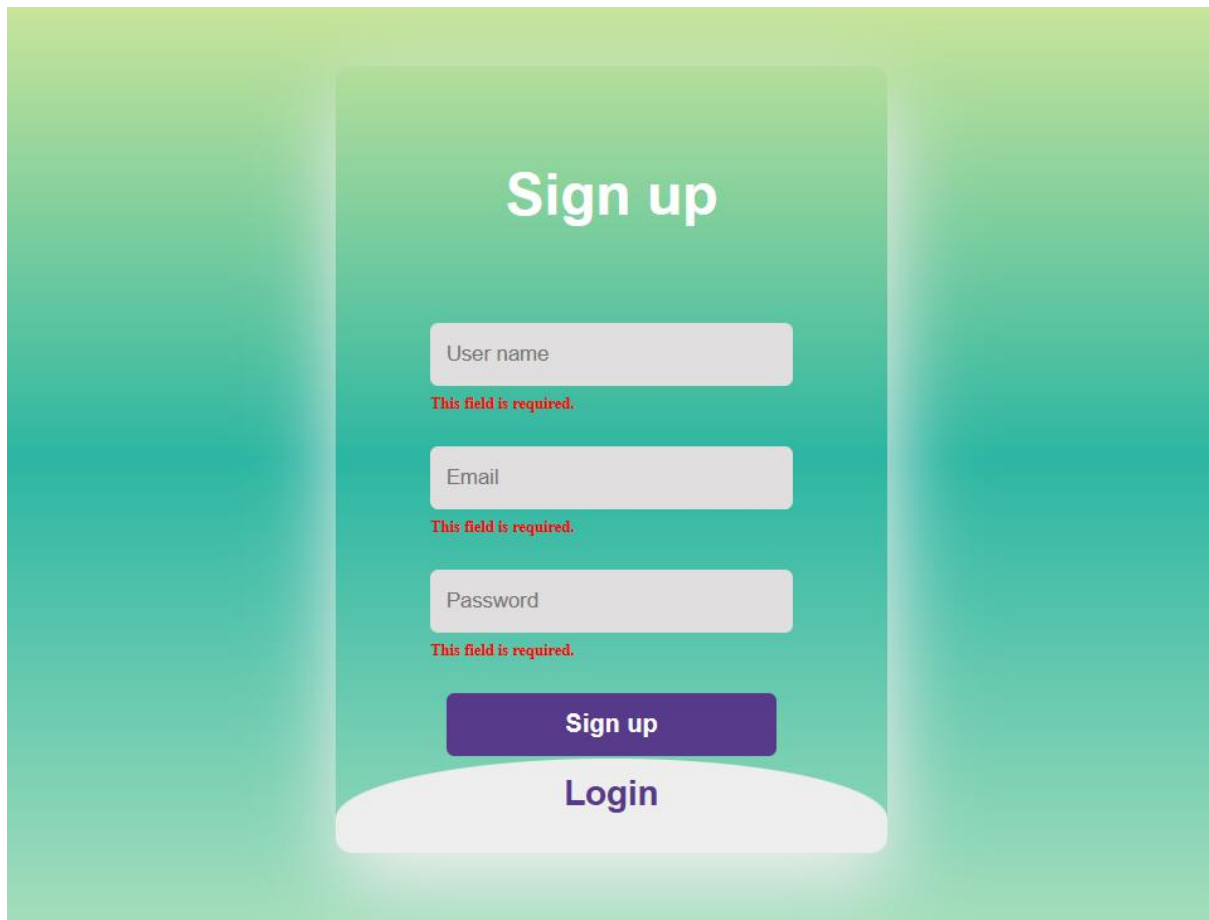
FRONT SCREEN



S

ign up and Login Page

A screenshot of a 'Sign up' and 'Login' form. The form is centered on a green-to-yellow gradient background. It has a white background with a subtle shadow. The title 'Sign up' is at the top. Below it are three input fields: 'User name', 'Email', and 'Password'. A purple 'Sign up' button is below the fields. At the bottom, there is a white 'Login' button.



Used jquery for validation in both signup and login page.

Source Code

```
</head>
<body>
  <div class="main">
    <input type="checkbox" id="check" aria-hidden="true">
    <div class="signup">
      <form onsubmit=" validateSignUpform(this); return false">
        <label for="check" aria-hidden="true">Sign up</label>
        <input type="text" name="userName" id ="userName" placeholder="User name" >
        <input type="text" name="email" id ="emailSign" placeholder="Email">
        <input type="password" name="password" id ="passwordSign" placeholder="Password">
        <button type="submit">Sign up</button>
      </form>
    </div>
    <div class="login">
      <form onsubmit=" validateform(this); return false" action="" method="get">
        <label for="check" aria-hidden="true">Login</label>
        <input type="text" name="email" id="email" placeholder="Email" >
        <input type="password" name="password" id ="password" placeholder="Password">
        <button type="submit">Login</button>
      </form>
    </div>
  </div>
</body>
</html>
```

loginForm.js > validateSignUpForm

```
function validateSignUpForm() {
  // For printing the error messages
  // $(".:text").next().text("");
  $(".span").hide();
  $(".:text").after("<span></span>");
  $(".:password").after("<span></span>");
  // Created different regex for each label
  console.log(localStorage);
  var emailCheck = false;
  var passCheck = false;
  console.log(emailCheck);
  var userName = $("#userName").val();

  var charPattern = /^[A-Za-z]+$/;
  if (userName == "") {
    document.getElementById("userName").style.margin = "60px 20px 0px 60px";
    $("#userName").next().text(" This field is required.");
  } else if (!charPattern.test(userName)) {
    document.getElementById("userName").style.margin = "60px 20px 0px 60px";
    $("#userName").next().text("Only characters allowed.");
  } else {
  }

  // Email Label
  var emailPattern = /\b[A-Za-z0-9._%+-]+@[A-Za-z0-9.-]+\.[A-Za-z]{2,4}\b/;

  var email = $("#emailSign").val();
```

```
document.getElementById("emailSign").style.margin = "20px 60px 0px 60px";
$("#emailSign").next().text(" This field is required.");
}
// Checking if entered email matches the regex pattern
else if (!emailPattern.test(email)) {
  document.getElementById("emailSign").style.margin = "20px 60px 0px 60px";
  $("#emailSign").next().text(" Must be a valid email address.");
} else {
  emailCheck = true;
}

var passwordPattern = /^(?=.*\d)(?=.*[!@#$%^&*])(?=.*[a-z])(?=.*[A-Z]).{8,}$/;

var password = $("#passwordSign").val();

if (password == "") {
  document.getElementById("passwordSign").style.margin = "20px 60px 0px 60px";
  $("#passwordSign").next().text(" This field is required.");
}
// Checking if entered email matches the regex pattern
else if (!passwordPattern.test(password)) {
  document.getElementById("passwordSign").style.margin = "20px 60px 0px 60px";
  $("#passwordSign")
    .next()
    .text("8 letter, 1 symbol, upper and lower case letters & no");
} else {
  passCheck = true;
```

```

    if (emailCheck == true && passCheck == true) {
        localStorage.setItem(email, password);
        console.log(localStorage);
        location.replace("index.html");
    }
}

function validateform() {
    $("span").hide();
    $(":password").after("<span></span>");
    // Created different regex for each label

    var email = $("#email").val();
    var password = $("#password").val();

    if (password == localStorage.getItem(email)) {
        console.log("yes");
        location.replace("index.html");
    } else {
        $("#password").next().text("Invalid email or password.");
    }
}

```

Validations:

Added regex patterns for each label. Different validate functions for each login and sign-up forms. And based on it displaying the error in a span. Used red colour to display the errors.


```
# loginForm.css > ...
body{
  margin: 0;
  padding: 0;
  display: flex;
  justify-content: center;
  align-items: center;
  min-height: 100vh;
  font-family: 'Jost', sans-serif;
  background: linear-gradient(to bottom, #f7f297, #2cb6a3, #C4E8C2);
}
.main {
  width: 350px;
  height: 500px;
  overflow: hidden;
  border-radius: 10px;
  box-shadow: 2px 20px 50px #f3efef;
}
#check {
  display: none;
}
.signup {
  position: relative;
  width: 100%;
  height: 100%;
}
label{
  color: #fff;
}
```

```
input{
  width: 60%;
  height: 20px;
  background: ■ #e0dede;
  justify-content: center;
  display: flex;
  margin: 20px auto;
  padding: 10px;
  border: none;
  outline: none;
  border-radius: 5px;
}
button{
  width: 60%;
  height: 40px;
  margin: 10px auto;
  justify-content: center;
  display: block;
  color: ■ #fff;
  background: ■ #573b8a;
  font-size: 1em;
  font-weight: bold;
  margin-top: 20px;
  outline: none;
  border: none;
  border-radius: 5px;
```

```
border-radius: 60% / 10%;  
transform: translateY(-180px);  
transition: .8s ease-in-out;  
}  
.login label{  
color: #573b8a;  
transform: scale(.6);  
}  
  
#check:checked ~ .login{  
transform: translateY(-500px);  
}  
#check:checked ~ .login label{  
transform: scale(1);  
}  
#check:checked ~ .signup label{  
transform: scale(.6);  
}  
  
span{  
font: bold 10px 'Bitter', serif;  
color: red;  
margin: 60px;  
}
```


KICKS Website

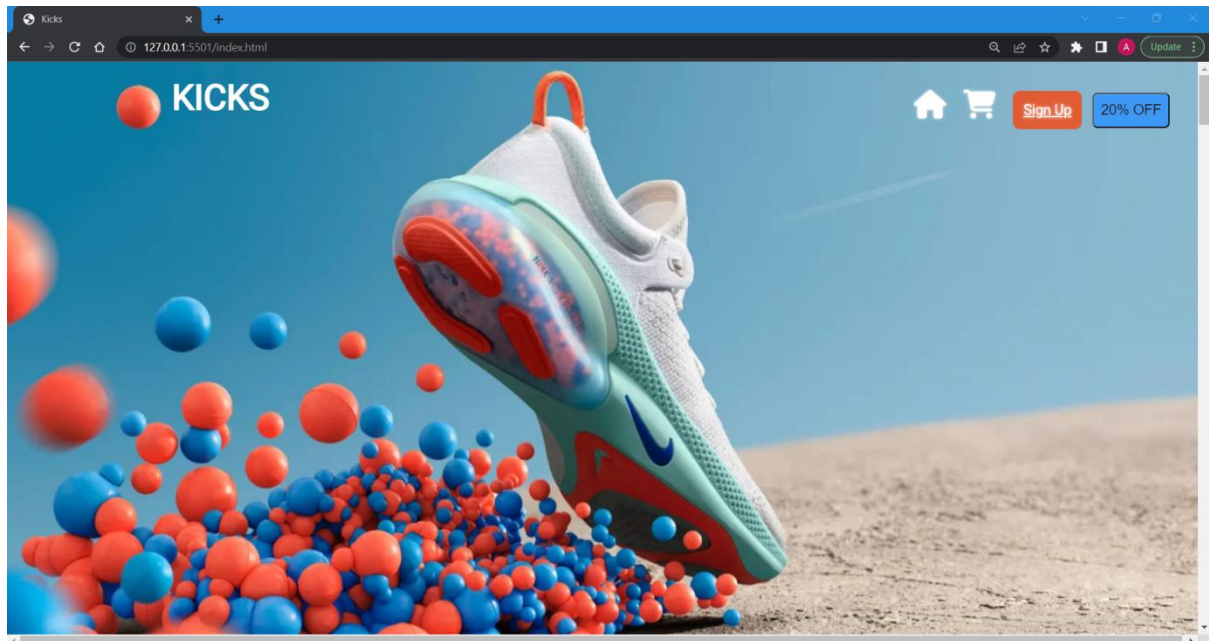
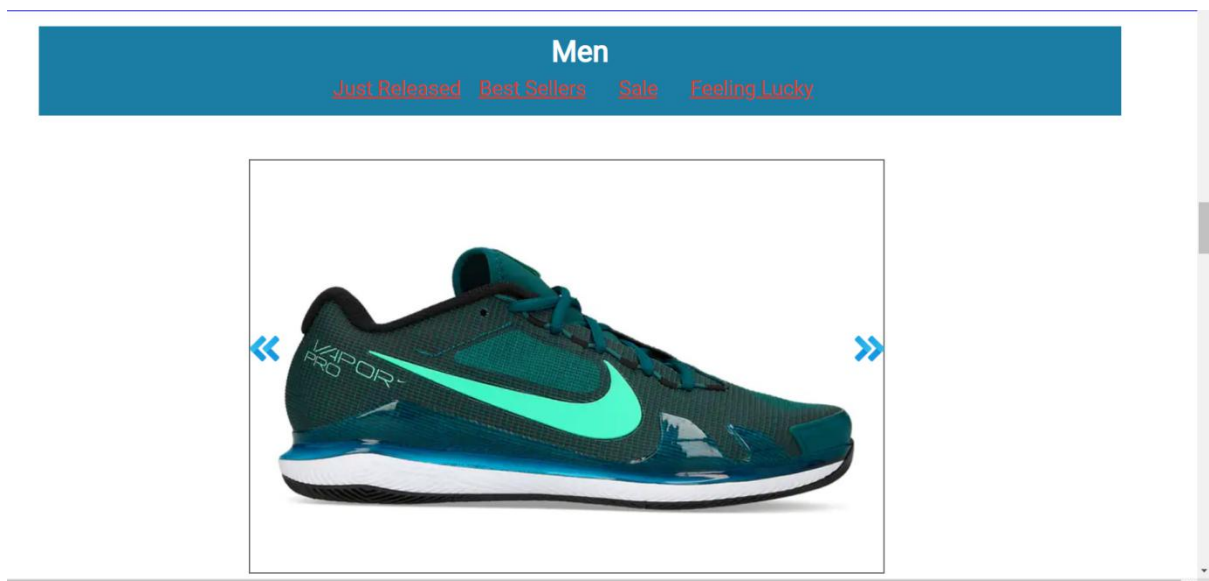


Image Slider



Women

[Just Released](#) [Best Sellers](#) [Sale](#) [Feeling Lucky](#)



Source Code

```
<section class="container" id="men">
  <div class="cat-header">
    <h2>Men</h2>
    <nav class="cat-nav">
      <ul>
        <li><a href="men.html">Just Released</a></li>
        <li><a href="men.html">Best Sellers</a></li>
        <li><a href="men.html">Sale</a></li>
        <li><a href="men.html">Feeling Lucky</a></li>
      </ul>
    </nav>
  </div>
  <div>
    <div class="slider-outer">
      
      <div class="slider-inner">
        
        
        
        
      </div>
      
    </div>
  </div>
</section>

<div class="parallax-red"></div>

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

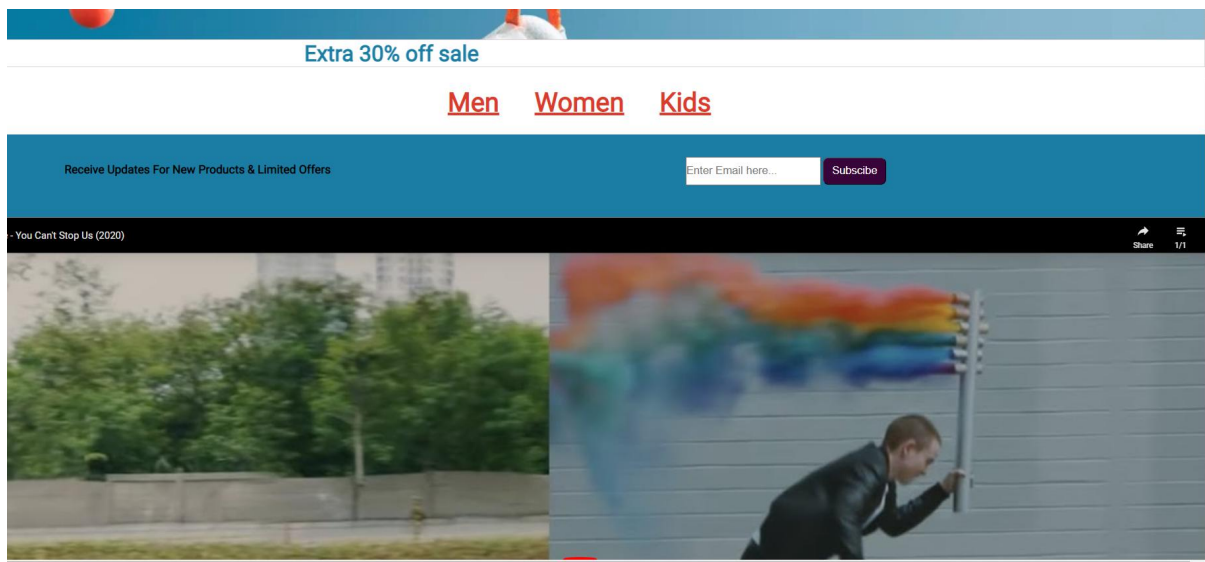
Added a YouTube video

```
<input type="email" placeholder="Enter Email here...">
<button type="submit" class="sub-button"> Subscibe</button>
</form>
</article>

<section class="vedio-container">
  <h2>Just do it !</h2>
  <iframe width="560" height="315" src="https://www.youtube.com/embed/pcXTnyCmQbg?autoplay=0&loop=1&controls=1&am
</section>

<div class="parallax-blue"></div>

<section class="container" id="men">
  <div class="cat-header">
    <h2>Men</h2>
    <nav class="cat-nav">
      <ul>
        <li><a href="men.html">Just Released</a></li>
        <li><a href="men.html">Best Sellers</a></li>
        <li><a href="men.html">Sale</a></li>
        <li><a href="men.html">Feeling Lucky</a></li>
      </ul>
    </nav>
  </div>
</section>
```



Source Code

```
<section class="container" id="men">
  <div class="cat-header">
    <h2>Men</h2>
    <nav class="cat-nav">
      <ul>
        <li><a href="men.html">Just Released</a></li>
        <li><a href="men.html">Best Sellers</a></li>
        <li><a href="men.html">Sale</a></li>
        <li><a href="men.html">Feeling Lucky</a></li>
      </ul>
    </nav>
  </div>
  <div>
    <div class="slider-outer">
      
      <div class="slider-inner">
        
        
        
        
      </div>
      
    </div>
  </div>
</section>

<div class="parallax-red"></div>

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

```
JS slider.js > ...
1 $(document).ready(function(){
2   $('.next').on('click', function(){
3     var activeImage = $('.active');
4     var nextImage = activeImage.next();
5
6     if(nextImage.length){
7       activeImage.removeClass('active').css('z-index',-10);
8       nextImage.addClass('active').css('z-index',10);
9     }
10  })
1
2  $('.prev').on('click', function(){
3    var activeImage = $('.active');
4    var prevImage = activeImage.prev();
5
6    if(prevImage.length){
7      activeImage.removeClass('active').css('z-index',-10);
8      prevImage.addClass('active').css('z-index',10);
9    }
10  })
1  });
```

```
19     display: block;
20 }
21 }
22
23 ✓ .slider-outer {
24     overflow: auto;
25     margin: auto 20%;
26 }
27
28 ✓ .slider-inner {
29     width: 95%;
30     margin: 40px auto;
31     position: relative;
32     float: left;
33     border: 2px solid #666;
34 }
35
36 ✓ .slider-inner img{
37     display: none;
38     width: 100%;
39     height:auto;
40 }
41
42 ✓ .slider-inner img.active{
43     display:inline-block;
44 }
45
46 ✓ .prev{
47     float:left;
```

Parallax scrolling

```
# layout.css > .cat-content p
* {
  margin: 0;
  padding: 0;
}

.container{
  width: 90%;
  margin: auto;
}

.social ul{
  float:right;
}

.search form{
  float: right;
  margin: 10px;
}

.social li{
  display: inline-block;
  padding: 10px;
}

.parallax {
  clear: both;
  /* The image used */
  background-image: url("../media/images/background.jpg");

  /* Set a specific height */
  min-height: 1000px;
  display: flex;
  justify-content: space-between;
  /* Create the parallax scrolling effect */
  background-attachment: fixed;
```



```
background-attachment: fixed;
background-position: center;
background-repeat: no-repeat;
background-size: cover;
}

.parallax-red {
  clear: both;
  background-image: url("../media/images/background_red.jpg");
  min-height: 1000px;
  display: flex;
  justify-content: space-between;
  background-attachment: fixed;
  background-position: center;
  background-repeat: no-repeat;
  background-size: cover;
}

.parallax-blue {
  clear: both;
  background-image: url("../media/images/background_blue.jpg");
  min-height: 1000px;
  display: flex;
```

```

}

.parallax-blue {
  clear: both;
  background-image: url("../media/images/background_blue.jpg");
  min-height: 1000px;
  display: flex;
  justify-content: space-between;
  background-attachment: fixed;
  background-position: center;
  background-repeat: no-repeat;
  background-size: cover;
}

.parallax-yellow {
  clear: both;
  background-image: url("../media/images/background_yellow.jpg");
  min-height: 1000px;
  display: flex;
  justify-content: space-between;
  background-attachment: fixed;
  background-position: center;
  background-repeat: no-repeat;
  background-size: cover;
}

.pheader{
  margin: 20px;
}
```

```

    </div>
</nav>
<div class="parallax">
  <header class="pheader">
    <h1>KICKS</h1>

  </header>
  <div class="hamburger">
    <i class="fa-solid fa-bars fa-4x"></i>
  </div>
  <nav class="pnav">
    <ul class="pnav">
      <li><a href="index.html"><i class="fa-solid fa-house fa-2x"></i></a></li>
      <li><a href="cart.html"><i class="fa-solid fa-cart-shopping fa-2x"></i></a></li>
      <li><a href="index.html"><i class="fa-solid fa-heart fa-2x"></i></a></li>
      <li><a href="index.html" class="button">Sign Up</a></li>
    </ul>
  </nav>
</div>

<nav class="category container">
  <ul>

```

```

</section>

<div class="parallax-blue"></div>

<section class="container" id="men">
  <div class="cat-header">
    <h2>Men</h2>
    <nav class="cat-nav">
      <ul>
        <li><a href="men.html">Just Released</a></li>
        <li><a href="men.html">Best Sellers</a></li>
        <li><a href="men.html">Sale</a></li>
        <li><a href="men.html">Feeling Lucky</a></li>
      </ul>
    </nav>
  </div>
  <div>
    <div class="slider-outer">
      
      <div class="slider-inner">
        
        
        
        
      </div>
      
    </div>
  </div>
</section>

```



```
<div class="parallax-red"></div>

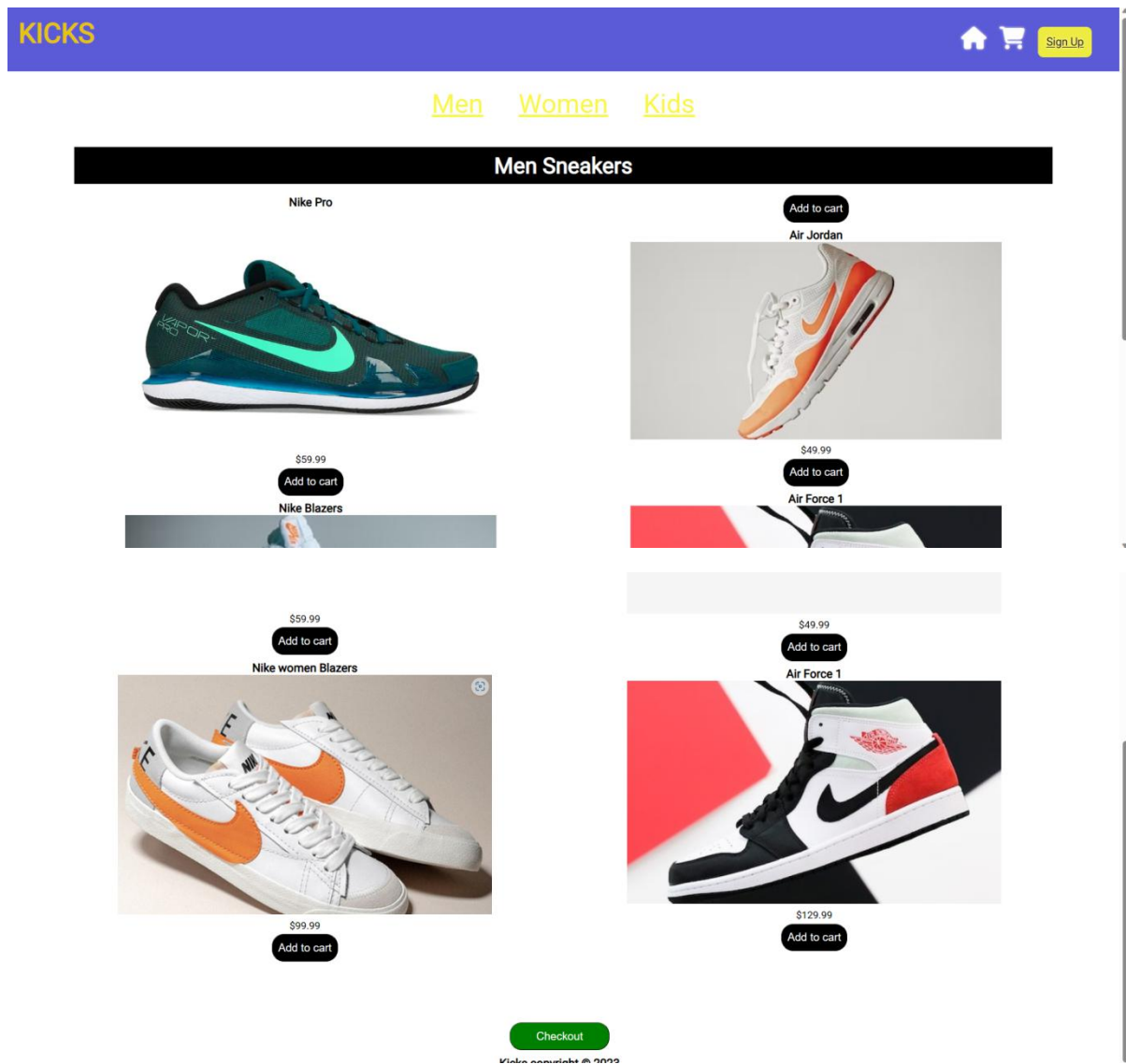
<section class="container" id="women">
  <div class="cat-header">
    <h2>Women</h2>
    <nav class="cat-nav">
      <ul>
        <li><a href="">Just Released</a></li>
        <li><a href="">Best Sellers</a></li>
        <li><a href="">Sale</a></li>
        <li><a href="">Feeling Lucky</a></li>
      </ul>
    </nav>
  </div>
  <div class="cat-content">
    
    
    
    
  </div>
</section>

<div class="parallax-yellow"></div>

<section class="container" id="kids">
  <div class="cat-header">
    <h2>Kids</h2>
    <nav class="cat-nav">
      <ul>
        <li><a href="">Just Released</a></li>
        <li><a href="">Best Sellers</a></li>
        <li><a href="">Sale</a></li>
        <li><a href="">Feeling Lucky</a></li>
      </ul>
    </nav>
```

> parallax



Adding to Cart (Using Local Storage)





```

JS cart.js > reload > on('click') callback
1  $(document).ready(function(){
2      reload();
3  })
4
5  var reload = function(){
6      var items = []
7      if(localStorage.getItem('items')){
8          console.log("items found")
9          items = JSON.parse(localStorage.getItem('items'))
10     }
11
12     var str = '';
13     for (var i = 0; i < items.length; i++) {
14         var quantityId = items[i].name+'-quantity';
15         var removeId = items[i].name+'-btn';
16         str += '<div class = "cart-items">' +
17             '<h3>' + items[i].name + '</h3>' +
18             '<img src = ' + items[i].img + '>' +
19             '<input id="'+items[i].name+'-quantity" type="number" value = '+items[i].quantity+'></input>' +
20             '<p>Price : ' + items[i].price + ' </p>' +
21             '<p>Item Total : ' + items[i].price * items[i].quantity + ' </p>' +
22             '<button id="'+items[i].name+'-btn" >Remove</button>' +
23             '</div>';
24
25         $('#'+quantityId).bind('keyup mouseup', function () {
26             for (var i = 0; i < items.length; i++) {
27                 if(items[i].name = items[i].name){
28                     items[i].quantity = $('#'+quantityId).value;
29                     reload();
30                 }
31             }
32         });
33     }
34     $('#'+quantityId).on('click',function(){
35         items = items.splice(i, 1);
36         localStorage.setItem('items',JSON.stringify(items));
37         reload();
38     });
39 }

```



[Sign Up](#)

[Men](#)
[Women](#)
[Kids](#)

Cart						
Product	Image	Qunatity	Price	Total	Action	
Air Jordan		<input type="text" value="1"/>	49.99	49.99	Remove	
Nike Pro		<input type="text" value="1"/>	59.99	59.99	Remove	
<div>Total</div> <div>109.98</div>						

KICKS copyright © 2023

Source Code

```
$(document).ready(function(){
    var items = []

    $('#nike-pro').on('click',function(){
        console.log("clicked")
        if(localStorage.getItem('items')){
            items = JSON.parse(localStorage.getItem('items'))
            for (let j = 0; j < items.length; j++){
                if (items[j].name == 'Nike Pro'){
                    window.alert("item already available in the cart");
                    return;
                }
            }
            items.push({name:'Nike Pro',price: '59.99', img:'media/images/men6.jpg', quantity:'1'})
            localStorage.setItem('items',JSON.stringify(items))
        }
        else{
            items.push({name:'Nike Pro',price: '59.99', img:'media/images/men6.jpg',quantity:'1'})
            localStorage.setItem('items',JSON.stringify([name:'Nike Pro',price: '59.99', img:'media/images/men6.jpg',quantity:'1']))
        }
        window.alert("Item Added")
    })

    $('#air-jordan').on('click',function(){
        console.log("clicked")
        if(localStorage.getItem('items')){
            items = JSON.parse(localStorage.getItem('items'))
            for (let j = 0; j < items.length; j++){
                if (items[j].name == 'Air Jordan'){
                    window.alert("item already available in the cart");
                    return;
                }
            }
            items.push({name:'Air Jordan',price: '120.00', img:'media/images/air-jordan-6.jpg', quantity:'1'})
            localStorage.setItem('items',JSON.stringify(items))
        }
        else{
            items.push({name:'Air Jordan',price: '120.00', img:'media/images/air-jordan-6.jpg',quantity:'1'})
            localStorage.setItem('items',JSON.stringify([name:'Air Jordan',price: '120.00', img:'media/images/air-jordan-6.jpg',quantity:'1']))
        }
        window.alert("Item Added")
    })
})
```

```
$(document).ready(function(){
    var items = []
    var totalAmount = 0.0;
    if(localStorage.getItem('items')){
        console.log("items found")
        items = JSON.parse(localStorage.getItem('items'))
    }

    var str = '';
    for (var i = 0; i < items.length; i++) {
        var quantityId = items[i].name+'-quantity';
        var removeId = items[i].name+'-btn';
        totalAmount += items[i].price * items[i].quantity;
        str += '<tr class="item" id="'+items[i].name+'">' +
            '<td><h3>' + items[i].name + '</h3></td>' +
            '<td><img src = ' + items[i].img + '></td>' +
            '<td><input class="quantity" type="number" value = '+items[i].quantity+'></input></td>' +
            '<td><p>' + items[i].price + '</p></td>' +
            '<td><p>' + (items[i].price * items[i].quantity).toFixed(2)+ '</p></td>' +
            '<td><button class="remove-btn">Remove</button></td>' +
            '</tr>';
    }
    $(".cart").append(str);

    $("#total-amount").html(totalAmount.toFixed(2));

    var removeBtns = document.getElementsByClassName('remove-btn')
```

```
✓ function removeCartItem(event) {  
  var buttonClicked = event.target;  
  var rowElement = buttonClicked.parentElement.parentElement;  
  
  ✓ if(localStorage.getItem('items')){  
    items = JSON.parse(localStorage.getItem('items'))  
  
    ✓ for (let j = 0; j < items.length; j++){  
      ✓ if (rowElement.id == items[j].name){  
        items.splice(j, 1);  
        console.log("item found" + j)  
      }  
    }  
  
    console.log(items)  
    localStorage.setItem('items',JSON.stringify(items))  
    window.alert("Item Removed")  
  }  
  ✓ else{  
    window.alert("Item Already removed")  
  }  
  buttonClicked.parentElement.parentElement.remove()  
  updateCartTotal()  
}
```

Key Features

1. Used jQuery validations and local storage for sign up and login page.
2. Used (DOM) local storage for cart application.
3. Used jQuery events and animation in discount voucher toggle popup.
4. Added parallax scrolling effect with the help of CSS.
5. Added sliders in each category with jQuery events and CSS.
6. Added a marquee tag for extra discount.
7. Created our own animation and added it to brand header on first page.

(No bootstrap or online plugins used.)

THANK YOU