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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
27th KM Milestone, Delhi - Meerut Exp, Ghaziabad, Uttar Pradesh 201015

**A**  
**INTERNSHIP / MINI PROJECT REPORT**  
**ON**  
**NIKE-STORE**



**AT**  
**COMPANY NAME**

**Submitted by**

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**YEAR- IIInd year**

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## **DECLARATION**

I hereby declare that this submission is my own work and that, to the best of my knowledge and belief, it contains no material previously published or written by another person nor material which to a substantial extent has been accepted for the award of any other degree or diploma of the university or other institute of higher learning, except where due acknowledgment has been made in the text.

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## **CERTIFICATE**

This is to certify that Mini Project/Internship Assessment Report entitled “ NIKE-STORE” which is submitted by \_Shreyash chaurasia for the partial fulfillment of the requirement for the award of degree B. Tech. in Department of Computer Science and Engineering of Ajay Kumar Garg Engineering College Ghaziabad affiliated to Dr. APJ Abdul Kalam Technical University, Uttar Pradesh, Lucknow is a record of the candidate’s own work carried out by him under my supervision. The matter embodied in this report is original and has not been submitted for the award of any other degree.

**Supervisor Signature**

**Supervisor Name**

**Date:**

## #ABSTRACT

Our React-based e-commerce platform for Nike shoes stands out with its intuitive interface and seamless navigation. By harnessing React state management, users enjoy personalized recommendations and a secure checkout process. With responsive design, the platform delivers a consistent shopping experience across devices. From browsing to purchase, our website redefines online shoe shopping, blending innovation, user-centric design, and performance to create an unparalleled shopping journey for footwear enthusiasts.

### Key Features:

A React shoe e-commerce platform offers a range of key features tailored to enhance the shopping experience for Nike shoe enthusiasts. Leveraging React's component-based architecture, the platform boasts dynamic product listings that seamlessly showcase various Nike shoe styles, sizes, and categories. Its responsive design ensures accessibility across devices, adapting effortlessly to different screen sizes. The integration of personalized recommendation systems, driven by React's state management capabilities, enhances user engagement by suggesting relevant shoe options based on individual preferences and browsing history. Efficient search and filtering functionalities enable users to quickly find their desired shoes, while smooth navigation powered by React's virtual DOM minimizes page reloads, ensuring a seamless browsing experience. Security is paramount, with the platform integrating trusted payment gateways and robust security measures to safeguard user transactions. User authentication mechanisms and personalized profiles further enhance the shopping journey, providing access to order history and saved preferences. An interactive user interface, enriched with React's UI components, allows users to engage with product images, zoom in for details, and view 360-degree product views. Social sharing and review functionalities foster community engagement and social proof. Continuous performance monitoring and optimization, facilitated by React's tools, ensure fast loading times and smooth animations, culminating in an optimal user experience unparalleled in the realm of online shoe shopping.

## **TABLE OF CONTENTS**

<b>Contents</b>	<b>Page No.</b>
<b>Certificate of Company</b>	<b>1</b>
<b>Declaration</b>	<b>2</b>
<b>Supervisor Certificate</b>	<b>3</b>
<b>Abstract</b>	<b>4</b>
<b>Motivation</b>	<b>5</b>
<b>Chapter 1: Introduction</b>	<b>8</b>
<b>Chapter 2: Features of NIKE-STORE</b>	<b>10</b>
<b>Chapter 3: Search and Discovery</b>	<b>11</b>
<b>Chapter 4: Responsive Design</b>	<b>13</b>
<b>Chapter 5: Screenshots</b>	<b>15</b>
<b>Chapter 6: Result</b>	<b>16</b>
<b>Conclusion</b>	<b>24</b>
<b>Future Scope</b>	<b>26</b>
<b>References</b>	<b>27</b>

## **#MOTIVATION FOR CREATING A NIKE-STORE PROJECT:**

The decision to create a Nike Store website stems from a blend of passion for footwear, a drive for innovation, and a keen understanding of market demand. As avid enthusiasts of Nike shoes ourselves, we recognize the significance of curating a platform that not only showcases the brand's iconic products but also delivers an unparalleled shopping experience. Our motivation is fueled by the desire to provide fellow Nike aficionados with a centralized hub where they can explore, discover, and acquire their favorite footwear styles with ease and convenience.

Moreover, we are inspired by the evolving landscape of e-commerce and the transformative potential of technology. With the rise of online shopping trends and the increasing adoption of digital platforms, we see an opportunity to leverage cutting-edge tools and methodologies to redefine the way consumers interact with the Nike brand. By harnessing the power of React, we aim to elevate the online shopping experience, offering dynamic product listings, personalized recommendations, and seamless navigation that resonate with today's discerning consumers.

Furthermore, our motivation is rooted in a commitment to excellence and a passion for pushing boundaries. We aspire to create more than just a transactional website; we envision a digital destination that fosters community engagement, celebrates creativity, and inspires individuals to express their unique style through the lens of Nike footwear. Through meticulous attention to detail, continuous innovation, and unwavering dedication, we are driven to establish the Nike Store website as the premier destination for shoe enthusiasts, setting new standards of excellence in the world of e-commerce.

## INTRODUCTION:

Welcome to the Nike Store, your ultimate destination for all things Nike footwear. Step into a world where style meets performance, where innovation intersects with tradition, and where every step you take is a testament to the legacy of excellence embodied by the Nike brand.

At the Nike Store, we believe that footwear is more than just a functional necessity; it's a statement of identity, a reflection of personality, and a catalyst for inspiration. That's why we've curated a carefully curated collection of Nike shoes that encompasses the brand's rich heritage, cutting-edge technology, and relentless pursuit of innovation.

Whether you're a seasoned athlete pushing the boundaries of performance, a fashion-forward trendsetter making a statement on the streets, or simply someone who appreciates the timeless appeal of classic sneakers, the Nike Store has something for everyone. From iconic silhouettes like the Air Jordan and Air Max to the latest innovations in running, basketball, and lifestyle footwear, our collection caters to every style, every taste, and every occasion.

But the Nike Store is more than just a place to shop for shoes; it's a digital destination that celebrates the culture, creativity, and community that surround the Nike brand. From exclusive releases and limited-edition collaborations to behind-the-scenes insights and inspirational stories, our website is your go-to source for everything Nike-related.

So whether you're looking to elevate your game on the court, make a statement on the streets, or simply step out in style, join us on this journey as we explore the world of Nike footwear together. Welcome to the Nike Store – where every step is a stride towards greatness.

## #FEATURES OF NIKE-STORE

1. **Extensive Product Range:** Explore a diverse and comprehensive collection of Nike footwear, ranging from iconic classics to the latest releases across various categories including running, basketball, lifestyle, and more.
2. **Dynamic Product Listings:** Enjoy a visually appealing and user-friendly interface with dynamic product listings, showcasing detailed images, descriptions, and specifications for each shoe.
3. **Personalized Recommendations:** Receive tailored recommendations based on your preferences, browsing history, and purchase behavior, ensuring a curated shopping experience that aligns with your individual style and interests.
4. **Efficient Search and Filtering:** Easily find your desired shoes using advanced search and filtering options, allowing you to narrow down your choices by size, color, style, and more, for a streamlined shopping experience.
5. **Secure Checkout Process:** Shop with confidence using our secure checkout process, integrated with trusted payment gateways and encryption technology to safeguard your personal and financial information.
6. **Responsive Design:** Access the Nike Store website seamlessly across various devices including desktops, tablets, and smartphones, thanks to its responsive design that adapts to different screen sizes and orientations.
7. **Exclusive Releases and Collaborations :** Stay updated with the latest releases, exclusive drops, and special collaborations, giving you access to limited-edition footwear and unique sneaker releases that are available only on the Nike Store.
8. **Community Engagement:** Engage with fellow sneaker enthusiasts, share your thoughts and experiences, and stay connected with the Nike community through our interactive features, including forums, reviews, and social media integrations.
9. **Inspiration and Content:** Discover inspirational stories, behind-the-scenes insights, and exclusive content that celebrate the culture, creativity, and innovation behind the Nike brand, providing you with a deeper understanding and appreciation of the footwear you love.



## # SEARCH AND DISCOVER

The "Search and Discovery" feature in our Nike Store frontend project is pivotal in empowering users to effortlessly explore and find relevant footwear within our platform. This multifaceted functionality is meticulously crafted to enhance user engagement and ensure an intuitive and enjoyable content discovery experience.

### **Search Bar:**

#### **Client-Side:**

At the forefront of the user interface lies the prominent search bar, offering users a seamless gateway to search for Nike shoes and related content across the platform. Equipped with real-time auto-suggestions, users can swiftly discover products tailored to their preferences.

#### **Server-Side:**

On the backend, we've implemented a robust API endpoint dedicated to handling search queries. Leveraging the power of our search engine, the API efficiently retrieves relevant shoe listings based on user input, intelligently considering factors such as relevance, popularity, and user engagement.

### **Search Results Page:**

#### **Client-Side:**

Upon initiating a search, users are directed to a dedicated search results page. This page is thoughtfully designed to present search results in a user-friendly manner, featuring filters for refining search criteria and pagination for smooth navigation through extensive result sets.

#### **Server-Side:**

The server-side logic responsible for handling search results is optimized for performance and scalability. With pagination in place, the application efficiently manages large datasets, ensuring a seamless experience for users as they explore search results.

### **Content Recommendations:**

#### **Client-Side:**

In addition to traditional search functionality, our platform offers personalized content recommendations directly on the homepage. Tailored to each user's preferences and browsing history, these recommendations foster a more engaging and personalized experience.

### **Related Products:**

#### **Client-Side:**

While browsing Nike shoes, users are presented with a curated list of related products, encouraging exploration and discovery of footwear with thematic or contextual similarities.

#### **Server-Side:**

The related products feature is driven by intelligent algorithms analyzing factors such as product categories, styles, and user behavior. Leveraging these insights, the platform suggests related products that enhance the user's shopping experience and keep them engaged.

### **Analytics and Metrics:**

#### **Client-Side:**

To gain valuable insights into user behavior, our frontend application incorporates analytics tracking. This enables us to capture user interactions, search patterns, and product views, providing valuable data for optimizing the search and discovery features and enhancing the overall user experience.

# # RESPONSIVE DESIGN

Responsive Design Implementation in the Nike Store:

Responsive design is a fundamental aspect of our Nike Store project, guaranteeing a seamless and visually appealing experience for users across a multitude of devices and screen sizes. By prioritizing adaptability and accessibility, our responsive design implementation enhances user engagement and accessibility, whether users are accessing the platform on desktops, tablets, or mobile phones.

## **Fluid Grid System:**

To create a flexible and responsive layout, the Nike Store utilizes a fluid grid system. This system ensures that components and elements resize proportionally, allowing the user interface to adapt seamlessly to different screen widths. Leveraging CSS frameworks like Bootstrap and Flexbox facilitates the creation of responsive layouts, providing users with a consistent and well-organized visual structure.

## **Media Queries:**

Media queries play a crucial role in tailoring the presentation of content to specific device characteristics. Our responsive design employs media queries to apply different styles based on the screen width. Defined breakpoints target various screen sizes, enabling the application to gracefully adjust its layout and styling.

## **Flexible Images and Media:**

Images and media elements within the Nike Store are designed to be flexible and responsive:

**Responsive Images:** Images are set to a maximum width of 100%, ensuring they resize appropriately based on the screen width to prevent overflow.

**Embedded Media:** When embedding media, we utilize responsive embed codes to automatically adjust the media size based on the container's width, providing a consistent viewing experience across devices.

Responsive Typography

To ensure readability and visual harmony, the Nike Store employs responsive typography:

**-Relative Font Sizes:** Font sizes are specified using relative units such as em or rem, allowing font sizes to adapt based on the user's device and preferences.

## **Testing Across Devices:**

Responsive design is rigorously tested across various devices and browsers:

**Cross-Browser Compatibility:** The Nike Store is extensively tested on different browsers to ensure consistent rendering. Developer tools are utilized to simulate various devices during testing, ensuring a flawless user experience across the board.



## # Featured.jsx :

```
File Edit Selection View Go Run Terminal Help components
# Featured.jsx
# Featured.jsx
This is auto-generated code. Do not edit.
1
2
3 export const Featured = () => {
4   return (
5     <div>
6       <div className="featured-container">
7         <div className="featured-text">
8           <div style={{ background: 'linear-gradient(to top right, #f8d7da, #fff3cd)', backgroundSize: '100% 100%',
9             textShadow: '2px 2px #000', fontStyle: 'italic', fontWeight: 'bold', color: 'white', padding: '10px' }}>
10             <div style={{ fontStyle: 'italic', fontWeight: 'bold', color: 'white', padding: '10px' }}>
11               HIRE AID WITH LIMITLESS CHOICES.
12             </div>
13           </div>
14           <div style={{ textShadow: '2px 2px #000', fontStyle: 'italic', fontWeight: 'bold', color: 'white', padding: '10px' }}>
15             Our Purpose is to move the world forward. We take action by building community, protecting our planet and increasing access to sport.
16           </div>
17           <div style={{ textShadow: '2px 2px #000', fontStyle: 'italic', fontWeight: 'bold', color: 'white', padding: '10px' }}>
18             Explore More
19           </div>
20         </div>
21         <div>
22           <div style={{ background: 'linear-gradient(to top right, #f8d7da, #fff3cd)', backgroundSize: '100% 100%',
23             textShadow: '2px 2px #000', fontStyle: 'italic', fontWeight: 'bold', color: 'white', padding: '10px' }}>
24               Explore More
25             </div>
26           </div>
27         </div>
28       </div>
29     </div>
30   )
31 }
```

## # AddedItems.jsx :

```
File Edit Selection View Go Run Terminal Help
D:\projects

# AddedItems.jsx
import React, {useState, useEffect} from 'react';
import {CartContext} from './context';

const AddedItems = (props) => {
  const {cart, setCart} = useContext(CartContext);
  const [title, color, bgColor, img, category] = props;
  const [quantity, setQuantity] = useState(1);

  const incrementQuantity = () => {
    setQuantity(quantity + 1);
  }

  const decrementQuantity = () => {
    if (quantity > 1) {
      setQuantity(quantity - 1);
    }
  }

  const deleteItem = () => {
    setCart(prevCart => prevCart.filter(item => item.category !== category));
  }

  return (
    <div>
      <div className="added-item" style={{marginTop: 10px, width: 300px, height: 100px, display: 'flex', justifyContent: 'space-around', alignItems: 'center', backgroundColor: '#f0f0f0'}}>
        <div style={{position: 'relative', backgroundColor: 'white', width: 150px, height: 80px, borderRadius: 10px}}>
          <img alt={img} style={{width: 100%, height: 100%}} />
        </div>
        <div>
          <div style={{display: 'flex', flex-direction: 'column', justifyContent: 'center'}}>
            <div style={title}>{title}</div>
            <div style={color}>{color}</div>
            <div style={bgColor}>{bgColor}</div>
            <div style={category}>{category}</div>
          </div>
          <div style={quantity}>{quantity}</div>
          <div style={deleteItem}>{deleteItem}</div>
        </div>
      </div>
    </div>
  );
};

export default AddedItems;
```



## # Highlights.jsx :

[illegible]

## # SalesItem:

```

1  // Sales.js
2  // Import the Card component from the 'react' library
3  import React from 'react'
4  import { Card } from './components'
5
6  // Create a function called 'Sales' that takes an array of objects
7  function Sales (items) {
8    // Create a new array to hold the new objects
9    const newItems = []
10
11    // Loop through the items array
12    items.forEach(item => {
13      // Create a new object with the following properties:
14      // - title: item.title
15      // - price: item.price
16      // - rating: item.rating
17      // - description: item.description
18      // - author: item.author
19      // - backgroundImage: item.backgroundImage
20
21      // Create a new Card component with the new object
22      const newCard = <Card data={item} />
23
24      // Add the new Card component to the newItems array
25      newItems.push(newCard)
26    })
27
28    // Return the newItems array
29    return newItems
30  }
31
32  // Export the Sales function
33  export default Sales

```



## # Sales.jsx :

[illegible]

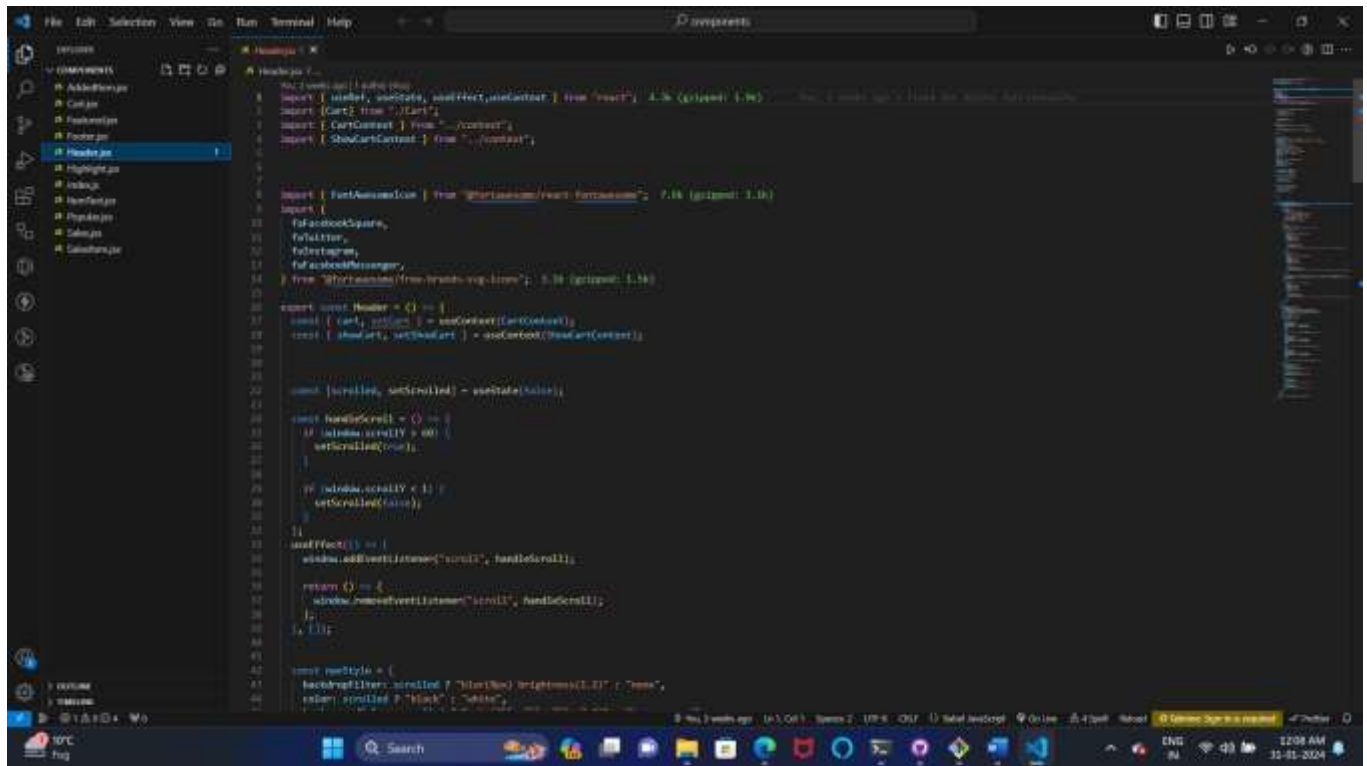
### #ItemText.jsx :

```

1  //index.js
2
3  // Card class
4  class Card {
5    constructor(title, description, price, rating, img, color, shape, width, height) {
6      this.title = title;
7      this.description = description;
8      this.price = price;
9      this.rating = rating;
10     this.img = img;
11     this.color = color;
12     this.shape = shape;
13     this.width = width;
14     this.height = height;
15   }
16
17   render() {
18     const card = document.createElement('div');
19     card.classList.add('card');
20     card.innerHTML = `
21       <div>
22         <img src='${this.img}' alt='${this.title}' />
23         <h3>${this.title}</h3>
24         <p>${this.description}</p>
25         <p>Price: $${this.price}</p>
26         <p>Rating: ${this.rating}</p>
27       </div>
28     `;
29     return card;
30   }
31 }
32
33 // Create a new card
34 const card = new Card(
35   'Card Title',
36   'Card Description',
37   100,
38   4.5,
39   'https://source.unsplash.com/300x200/?card',
40   '#f0f0f0',
41   'rect',
42   300,
43   200
44 );
45
46 // Render the card
47 card.render();

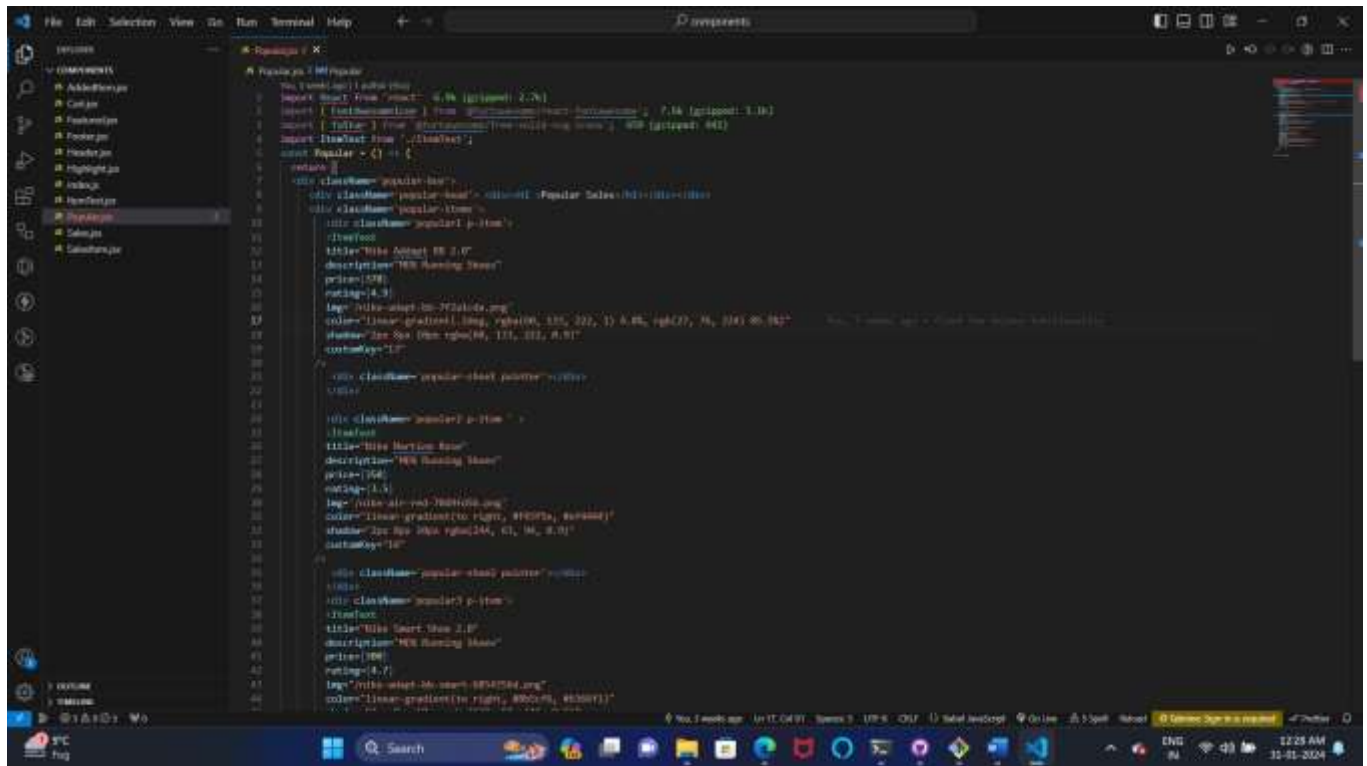
```

## #Header.jsx :



```
1 // Header.jsx
2
3 import { useState, useEffect, useContext } from 'react';
4 import { Cart } from './Cart';
5 import { CartContext } from './context';
6 import { ShowCartContext } from './context';
7
8
9 import { FontAwesomeIcon } from '@fortawesome/react-fontawesome';
10 import {
11   faShoppingCart,
12   faShoppingCartAlt,
13   faShoppingCartAlt,
14 } from '@fortawesome/free-solid-svg-icons';
15
16
17 export const Header = () => {
18   const { cart, setShowCart } = useContext(CartContext);
19   const { showCart, setShowCart } = useContext>ShowCartContext);
20
21
22   const [scroll, setScroll] = useState(false);
23
24   const handleScroll = () => {
25     if (window.scrollY > 60) {
26       setScroll(true);
27     }
28     if (window.scrollY < 1) {
29       setScroll(false);
30     }
31   };
32
33   useEffect(() => {
34     window.addEventListener('scroll', handleScroll);
35
36     return () => {
37       window.removeEventListener('scroll', handleScroll);
38     };
39   }, []);
40
41
42   const useStyle = {
43     backgroundColor: scroll ? 'black' : 'white',
44     color: scroll ? 'white' : 'black',
45   };
46 }
```

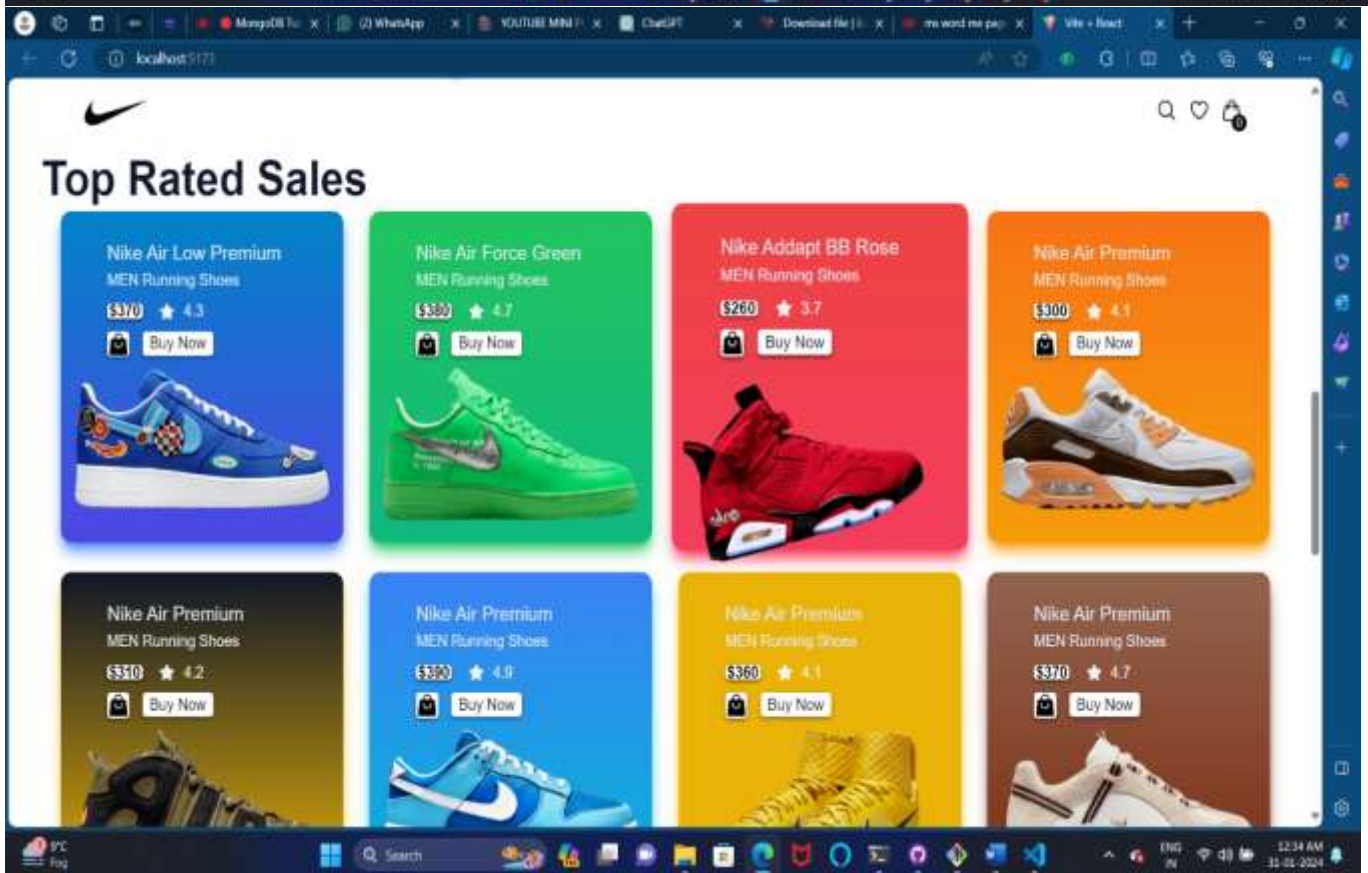
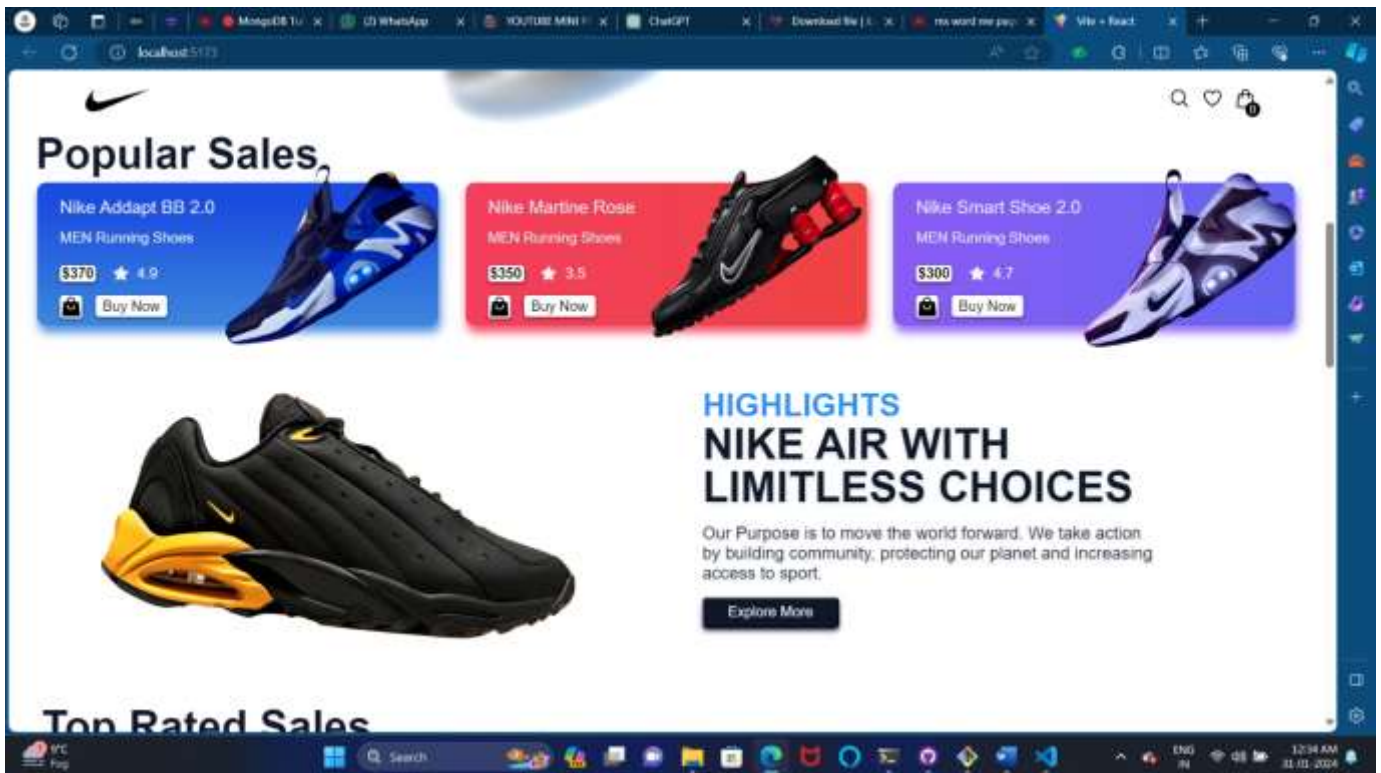
## #Popular.jsx:



## # Cart.jsx :

[illegible]

## # Result :



## CONCLUSION

The development journey of our Nike Store project represents a culmination of dedicated effort, innovative thinking, and collaborative teamwork. Throughout this endeavor, our goal has been to craft a platform that captures the essence of premier e-commerce giants while infusing it with unique features and optimizations tailored to the world of footwear and fashion. As we reflect on this project, several key insights and achievements come to light:

1. **Feature-Rich Platform:** Our Nike Store stands as a feature-rich platform, offering users a comprehensive shopping experience. From intuitive product browsing and personalized recommendations to secure checkout processes, we've implemented a diverse array of features to cater to our customers' needs.

2. **Responsive Design and User Accessibility:** Embracing responsive design principles, our platform seamlessly adapts to various devices, ensuring a consistent and user-friendly experience across desktops, tablets, and mobile phones. This commitment to accessibility enhances the reach and usability of our Nike Store, making it accessible to a broader audience.

3. **Rigorous Testing and Quality Assurance:** We've conducted thorough testing and quality assurance measures to validate the functionality, performance, and security of our Nike Store. This robust testing framework ensures a stable and reliable platform, instilling confidence in our users' shopping experience.

4. **Scalability and Performance:** Attention to scalability and performance has been paramount in our development process. Our Nike Store is designed to handle increasing user traffic and data loads, ensuring a seamless and responsive experience for shoppers, even during peak periods.

5. **User Engagement and Interaction:** Interactive elements, personalized recommendations, and social features have been integrated into our Nike Store to foster user engagement. We aim to create not just a shopping platform but a vibrant community where users can connect, share experiences, and explore the latest trends in footwear and fashion.

In conclusion, our Nike Store provides users with a seamless and enjoyable shopping experience tailored specifically to their footwear needs. It offers a wide range of products and personalized recommendations, all aimed at enhancing user satisfaction and engagement. With a focus on innovation, reliability, and user-centric design, our Nike Store sets a new standard in online footwear retail, providing customers with an effective and reliable tool for discovering and enjoying their favorite footwear styles.

## **#REFERENCES**

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[React Router \(w3schools.com\)](#)