



NYKKA CLONE PROJECT REPORT



Abstract

The Nykaa Clone project is a frontend-based e-commerce web application that replicates the core functionalities and design of the official Nykaa website. It aims to simulate a real-world shopping experience for beauty and wellness products. This clone is built using standard web technologies — HTML, CSS, and JavaScript — to demonstrate practical skills in UI design and client-side programming.



Demo and Code Overview

Demo Highlights:

Clean homepage with product grid

Interactive "Add to Cart" feature

Real-time cart counter

Responsive design

Code Overview:

index.html: Provides the structure for the home page

style.css: Defines styling rules and layout

script.js: Manages product display, cart functionality, and DOM manipulation



Project Objective

The primary goal of this project is to:

Emulate the visual and functional experience of an online beauty retail platform

Strengthen frontend development skills

Learn how to use JavaScript to dynamically update webpage content

Practice responsive and user-friendly UI design



Code

index.html

```
<!Doctype html>
<html lang="en">
<head>
  <meta charset="UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Nykaa Clone</title>
  <style>
    * {
      margin: 0;
      padding: 0;
      box-sizing: border-box;
      font-family: Arial, sans-serif;
    }

    body {
      background-color: #fff;
      color: #333;
    }

    .navbar {
      display: flex;
      justify-content: space-between;
      align-items: center;
      padding: 1rem 2rem;
      background-color: #f5f5f5;
      box-shadow: 0 2px 4px rgba(0,0,0,0.1);
    }

    .search-box {
      flex: 1;
      margin: 0 1rem;
      padding: 0.5rem;
      border: 1px solid #ccc;
      border-radius: 4px;
    }

    nav a {
      margin-left: 1rem;
      text-decoration: none;
      color: #333;
      font-weight: bold;
    }

    .hero img {
      width: 100%;
      max-height: 400px;
      object-fit: cover;
```

```
}

.categories, .products {
  padding: 2rem;
}

.categories h2, .products h2 {
  margin-bottom: 1rem;
}

.category-grid {
  display: grid;
  grid-template-columns: repeat(auto-fit, minmax(120px, 1fr));
  gap: 1rem;
}

.category-card {
  padding: 1rem;
  background-color: #fce4ec;
  text-align: center;
  border-radius: 8px;
  font-weight: bold;
  color: #880e4f;
}

.product-grid {
  display: grid;
  grid-template-columns: repeat(auto-fit, minmax(200px, 1fr));
  gap: 1.5rem;
}

.product-card {
  border: 1px solid #ddd;
  border-radius: 8px;
  padding: 1rem;
  text-align: center;
}

.product-card img {
  width: 100%;
  height: auto;
  margin-bottom: 0.5rem;
}

.product-card span {
  color: #e91e63;
  font-weight: bold;
}
```

```

.footer {
  text-align: center;
  padding: 1rem;
  background-color: #f5f5f5;
  margin-top: 2rem;
  font-size: 0.9rem;
}
</style>
</head>
<body>
  <!-- Navbar -->
  <header class="navbar">
    <div class="logo">
      
    </div>
    <input type="text" placeholder="Search for products..." class="search-box" />
    <nav>
      <a href="#">Login</a>
      <a href="#">Cart</a>
    </nav>
  </header>

  <!-- Hero Banner -->
  <section class="hero">
    
  </section>

  <!-- Categories -->
  <section class="categories">
    <h2>Shop by Category</h2>
    <div class="category-grid">
      <div class="category-card">Makeup</div>
      <div class="category-card">Skin</div>
      <div class="category-card">Hair</div>
      <div class="category-card">Fragrance</div>
      <div class="category-card">Appliances</div>
    </div>
  </section>

  <!-- Featured Products -->
  <section class="products">
    <h2>Featured Products</h2>
    <div class="product-grid">
      <div class="product-card">
        
        <p>Product Name</p>
        <span>₹999</span>
      </div>
    </div>
  </section>

```

```
</div>
<div class="product-card">
  
  <p>Product Name</p>
  <span>₹799</span>
</div>
<div class="product-card">
  
  <p>Product Name</p>
  <span>₹799</span>
</div>
</div>
</section>
```

```
<!-- Footer -->
<footer class="footer">
  <p>&copy; 2025 Nykaa Clone. Made for educational purposes.</p>
</footer>
</body>
</html>
```

style.css

css

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Edit

```
body {
  font-family: Arial, sans-serif;
  margin: 0;
  padding: 0;
  background: #f9f9f9;
}
```

```
header {
  background-color: #f50057;
  color: white;
  padding: 10px 20px;
  display: flex;
  align-items: center;
  justify-content: space-between;
}
```

```
input[type="text"] {
  width: 50%;
  padding: 5px;
  border: none;
  border-radius: 4px;
}
```

```
button {
  padding: 8px 12px;
  background-color: white;
  color: #f50057;
  border: none;
  border-radius: 4px;
  cursor: pointer;
}

#product-list {
  display: grid;
  grid-template-columns: repeat(auto-fill, minmax(180px, 1fr));
  gap: 15px;
  padding: 20px;
}
```

```
.product-card {
  border: 1px solid #ddd;
  padding: 10px;
  text-align: center;
  border-radius: 8px;
  background: #fff;
}
```

```
.product-card img {
  width: 100%;
  height: auto;
}
```

```
.product-card button {
  background-color: #f50057;
  color: white;
  margin-top: 10px;
}
```

script.js

javascript

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```
const products = [
  { id: 1, name: "Lipstick", price: 299, image: "https://via.placeholder.com/150" },
  { id: 2, name: "Foundation", price: 499, image: "https://via.placeholder.com/150" },
  { id: 3, name: "Eyeliner", price: 199, image: "https://via.placeholder.com/150" }
];
```

```
let cart = [];
```

```
function renderProducts() {
  const productList = document.getElementById('product-list');
```

```


products.forEach(product => {
  const card = document.createElement('div');
  card.className = 'product-card';
  card.innerHTML = `
    
    <h3>${product.name}</h3>
    <p>₹${product.price}</p>
    <button onclick="addToCart(${product.id})">Add to Cart</button>
  `;
  productList.appendChild(card);
});
}

function addToCart(productId) {
  const product = products.find(p => p.id === productId);
  cart.push(product);
  updateCartCount();
}




function updateCartCount() {
  document.getElementById('cart-count').innerText = cart.length;
}

function viewCart() {
  alert(You have ${cart.length} items in your cart.);
}

```

renderProducts();
 Technologies Implemented

Technology purpose:

- HTML5 Page structure and semantics
- CSS3 Styling and responsive layout
- JavaScript Interactivity and cart logic
- VS Code Code editor
- Git/GitHub (optional) Version control
- ✨ Project Features
-  Product card UI with images, names, and prices
- ✚ "Add to Cart" functionality with live counter
-  Search bar for product lookup (UI only)
-  Responsive layout using CSS Grid
- 🚫 No backend required (purely frontend)



Development Process:

Design Phase

Analyzed Nykaa's homepage layout

Created a wireframe/mockup of the structure

Coding Phase

Developed the HTML structure first

Applied custom CSS for visual styling and responsiveness

Added product interactivity using JavaScript DOM manipulation

Testing and Debugging

Tested layout on various screen sizes

Ensured proper cart counting and product rendering

Optional Enhancements (Future Scope)

Backend with Node.js + MongoDB

Product filtering and sorting

Payment gateway integration



Conclusion

This Nykaa Clone project successfully replicates an e-commerce frontend interface, demonstrating practical skills in HTML, CSS, and JavaScript. It showcases the developer's ability to structure a web page, apply consistent styling, and implement dynamic user interactions. The project also lays the groundwork for future full-stack e-commerce applications by providing a solid frontend base.