

Experiment 7

ProductCard Component Using Props

CODE:

HTML CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Product Card Component</title>

<style>
  body {
    font-family: Arial, sans-serif;
    background-color: #f4f4f4;
    margin: 0;
    padding: 20px;
    display: flex;
    justify-content: center;
    align-items: center;
    min-height: 100vh;
  }

  .product-container {
    display: grid;
    grid-template-columns: repeat(auto-fit, minmax(280px, 1fr));
    gap: 20px;
    max-width: 1200px;
    width: 100%;
  }

  .product-card {
    background-color: #fff;
    border-radius: 10px;
    box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
    overflow: hidden;
    transition: transform 0.3s ease, box-shadow 0.3s ease;
    text-align: center;
    padding: 20px;
  }

  .product-card:hover {
    transform: translateY(-5px);
    box-shadow: 0 8px 16px rgba(0, 0, 0, 0.2);
  }

  .product-card-image {
    width: 100%;
    height: 200px;
    object-fit: cover;
    border-radius: 8px;
    margin-bottom: 15px;
  }

  .product-card-title {
    font-size: 1.25em;
    font-weight: bold;
    color: #333;
  }
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    margin: 0 0 10px;
  }

.product-card-description {
  font-size: 0.9em;
  color: #666;
  margin: 0 0 15px;
}

.product-card-price {
  font-size: 1.2em;
  font-weight: bold;
  color: #007BFF;
  margin: 0 0 20px;
}

.product-card-button {
  background-color: #007BFF;
  color: #fff;
  border: none;
  padding: 10px 20px;
  border-radius: 5px;
  cursor: pointer;
  font-size: 1em;
  text-transform: uppercase;
  transition: background-color 0.3s ease;
}

.product-card-button:hover {
  background-color: #0056b3;
}
</style>
</head>
<body>

<div class="product-container" id="product-container">
  </div>

<script>
  // Function to create a product card component using a "props" object
  function createProductCard(props) {
    const { image, title, description, price } = props;

    // We can use template literals to easily create the HTML structure
    const productCardHTML = `
      <div class="product-card">
        
        <h3 class="product-card-title">${title}</h3>
        <p class="product-card-description">${description}</p>
        <p class="product-card-price">${price.toFixed(2)}</p>
        <button class="product-card-button">Add to Cart</button>
      </div>
    `;

    return productCardHTML;
  }

  // Sample product data (our "props" for multiple components)
  const products = [
    {
      image: 'https://images.unsplash.com/photo-1542291026-78fe25d60614?q=80&w=1770&auto=format&fit=crop',
      title: 'Running Shoes',
      description: 'Lightweight and comfortable shoes for your daily run.',
      price: 99.99
    }
  ]

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    },
    {
      image: 'https://images.unsplash.com/photo-1523275371360-70588b390232?q=80&w=1788&auto=format&fit=crop',
      title: 'Classic Watch',
      description: 'An elegant timepiece for any occasion, with a leather strap.',
      price: 150.00
    },
    {
      image: 'https://images.unsplash.com/photo-1511707171634-5f897ff7922d?q=80&w=1780&auto=format&fit=crop',
      title: 'Smartphone',
      description: 'The latest model with a stunning camera and fast processor.',
      price: 799.00
    },
    {
      image: 'https://images.unsplash.com/photo-1585298717961-45459345037d?q=80&w=1770&auto=format&fit=crop',
      title: 'Wireless Headphones',
      description: 'Crystal clear sound and noise cancellation technology.',
      price: 125.50
    }
  ];

  // Get the container element
  const productContainer = document.getElementById('product-container');

  // Iterate through the products array and create a card for each product
  products.forEach(product => {
    // Generate the HTML for a single product card
    const cardHTML = createProductCard(product);

    // Append the new card to the container
    productContainer.innerHTML += cardHTML;
  });
</script>

</body>
</html>

```

OUTPUTS

EXPERIMENT 7

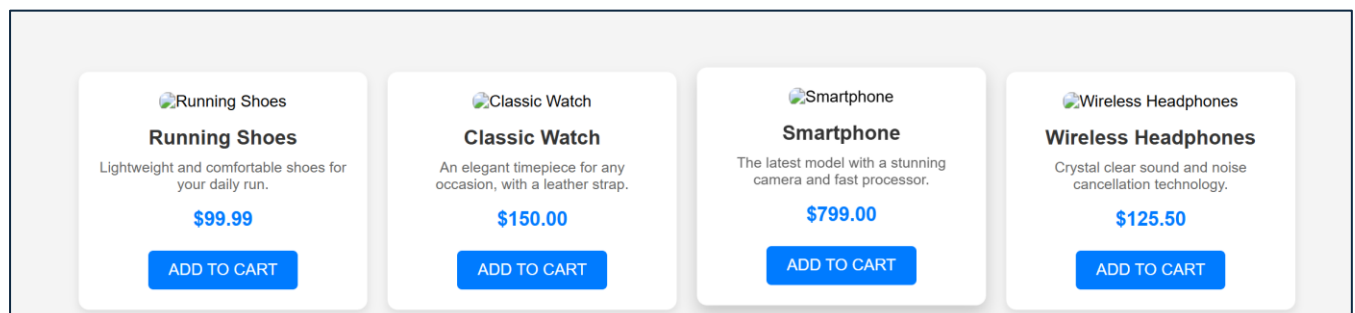


Figure 1: OUTPUT OF EXPERIMENT 7