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|  | **Course Name: Advanced Web Technology** | **EXPERIMENT NO. 6** | |
| **Course Code: 20CP314P**  **Faculty: Komal Singh** | **Branch: CSE** | **Semester: VI** |
| **Submitted by: Patel Vraj ChetanKumar**  **Roll no: 21BCP362zsza** | | | |

Objective: Working with properties in React

Experiment 6:

1. In the commercial furniture web-application add products with information like image, price, color, manufacturer using react props.
2. Add default values for all the furniture properties which are displayed in absence of corresponding information.

Hint: At least 3 products should be displayed excluding the default results.

Note: Please include snapshots of all commands, terminal sessions, localhost outputs with necessary steps.

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| // src/pages/Products.js  import React from 'react';  import './PageStyles.css';  import elegantSofa from '../images/elegant\_sofa.jpg';  import classicWoodenChair from '../images/classic\_wooden\_chair.png';  import modernCoffeeTable from '../images/modern\_coffee\_table.png';  import luxuryBed from '../images/luxury\_bed.png';  import genericChair from “../images/generic\_chair.jpg”  const products = [  {  id: 1,  name: "Elegant Sofa",  price: 499.99,  color: "Gray",  manufacturer: "Comfy Home",  imageUrl: elegantSofa  },  {  id: 2,  name: "Classic Wooden Chair",  price: 249.99,  color: "Brown",  manufacturer: "Wood Crafters",  imageUrl: classicWoodenChair  },  {  id: 3,  name: "Modern Coffee Table",  price: 299.99,  color: "Black",  manufacturer: "Table Trends",  imageUrl: modernCoffeeTable  },  {  id: 4,  name: "Luxury Bed",  price: 899.99,  color: "White", // Suppose we want to demonstrate a missing color and manufacturer  imageUrl: luxuryBed  },  {  id: 5,  name: "Generic Chair",  price: 99.99  imageUrl: genericChair  }  ];  function ProductCard({ product }) {  return (  <div className="product-card">  <img src={product.imageUrl} alt={product.name} />  <h3>{product.name}</h3>  <p>${product.price || 'Price not available'}</p>  <p>Color: {product.color || 'Color not specified'}</p>  <p>Manufacturer: {product.manufacturer || 'Manufacturer unknown'}</p>  </div>  );  }  function Products() {  return (  <div className="container">  <h1>Our Products</h1>  <div className="product-grid">  {products.map(product => (  <ProductCard key={product.id} product={product} />  ))}  </div>  </div>  );  }  export default Products; |
| PageStyling.Css  /\* src/pages/PageStyles.css \*/  body, html {  margin: 0;  padding: 0;  font-family: 'Arial', sans-serif;  background-color: #f4f4f9;  color: #333;  }  nav {  background-color: #007bff;  padding: 10px 20px;  }  nav ul {  list-style-type: none;  padding: 0;  margin: 0;  display: flex;  justify-content: center;  }  nav ul li {  margin: 0 15px;  }  nav a {  color: white;  text-decoration: none;  font-size: 18px;  font-weight: bold;  }  nav a:hover {  text-decoration: underline;  }  .container {  width: 90%;  max-width: 1200px;  margin: 20px auto;  padding: 20px;  background-color: #fff;  border-radius: 8px;  box-shadow: 0 2px 5px rgba(0,0,0,0.1);  }  .grid, .product-grid {  display: grid;  grid-template-columns: repeat(auto-fill, minmax(300px, 1fr)); /\* Adjust min value if necessary \*/  gap: 20px;  }  .product-card {  background-color: #f9f9f9;  padding: 15px;  border-radius: 8px;  box-shadow: 0 2px 5px rgba(0,0,0,0.1);  text-align: center;  display: flex;  flex-direction: column;  }  .product-card img {  width: 100%;  height: auto; /\* Maintain aspect ratio \*/  object-fit: cover; /\* Adjust this to 'contain' if you don't want images to be cropped \*/  margin-bottom: 15px; /\* Adds space between the image and the text below \*/  }  .feature, .testimonial {  background-color: #f9f9f9;  padding: 15px;  border-radius: 8px;  text-align: center;  box-shadow: 0 2px 5px rgba(0,0,0,0.1);  }  .testimonial blockquote {  border-left: 5px solid #007bff;  font-style: italic;  }  .review-form {  margin-top: 20px;  }  .review-form label, .review-form input, .review-form select, .review-form textarea, .review-form button {  width: 100%;  }  .review-form label {  display: block;  margin-top: 10px;  }  .review-form input, .review-form select, .review-form textarea {  padding: 8px;  margin-top: 5px;  border-radius: 4px;  border: 1px solid #ccc;  }  .review-form button {  background-color: #007bff;  color: white;  padding: 10px 20px;  margin-top: 20px;  border: none;  border-radius: 4px;  cursor: pointer;  }  .review-form button:hover {  background-color: #0056b3;  }  footer {  text-align: center;  padding: 20px;  background-color: #007bff;  color: white;  position: fixed;  left: 0;  bottom: 0;  width: 100%;  } |

