	Course Name: Advanced Web Technology		EXPERIMENT NO. 7	
	Course Code: 20CP314P Faculty: Komal Singh		Branch: CSE	Semester: VI
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Objective: Working with states in React

- Create a counter based on react states using both the approaches class component as well as functional component.
- In the commercial furniture web-application add a like button under each product in the products page using react states.

Note: Please include snapshots of all commands, terminal sessions, localhost outputs, and log files in your documentation with necessary steps.

Like Feature using useState hook with Functional Component

```
function ProductCard({ product }) {
  const [likes, setLikes] = useState(0);

  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>
      <button onClick={() => setLikes(likes + 1)} className="like-button">Like</button>
      <p>{likes} Likes</p>
    </div>
  );
}

.like-button {
  background-color: #ff4081;
  color: white;
  border: none;
  border-radius: 4px;
  padding: 8px 16px;
  margin-top: 8px;
  cursor: pointer;
  font-size: 1rem;
}
```

```
}  
  
.like-button:hover {  
  background-color: #c60055;  
}
```


Like Feature using useState hook using Class Components

```
class ProductCard extends React.Component {  
  constructor(props) {  
    super(props);  
    this.state = { likes: 0 };  
  }  
  
  render() {  
    const { product } = this.props;  
  
    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>  
        <button onClick={() => this.setState({ likes: this.state.likes + 1 })}  
className="like-button">Like</button>  
        <p>{this.state.likes} Likes</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>  
  );  
}
```

```
</div>
);
}

export default Products;
```

HomeProductsCustomer Review



Elegant Sofa


\$499.99

Color: Gray

Manufacturer: Comfy Home

Like

1 Likes



Classic Wooden Chair


\$249.99

Color: Brown

Manufacturer: Wood Crafters

Like

1 Likes



Modern Coffee Table


\$299.99

Color: Black

Manufacturer: Table Trends

Like

0 Likes



Luxury Bed


\$899.99

Color: White

Manufacturer: Manufacturer unknown

Like

0 Likes



Generic Chair

\$99.99

Color: Color not specified

Manufacturer: Manufacturer unknown

Like

1 Likes

3