**AP Lab 9**

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**App.js**

import React,{Component} from 'react';

import logo from './logo.svg';

import './App.css';

import ProductList from './ProductList';

class App extends Component {

constructor(props)

{

super(props);

}

render() {

return(

<div>

<ProductList />

</div>);

};

}

export default App;

**Product.js**

import React from 'react';

import styles from './mystyle.module.css';

class Product extends React.Component {

constructor(props){

super(props);

this.state={

qty:0

}

this.addQuantity=this.addQuantity.bind(this);

this.subQuantity=this.subQuantity.bind(this);

}

addQuantity(){

this.setState({qty:this.state.qty+1}, ()=>{this.props.inctotal(this.props.price)})

}

subQuantity(){

if(this.state.qty>0){ //if no item left, can not remove it further.

this.setState({qty:this.state.qty-1}, ()=>{this.props.dectotal(this.props.price)})

}

}

render(){

return(

<tr>

<td><img src={this.props.img}/></td>

<td>{this.props.name}</td>

<td>{this.props.price}</td>

<td>{this.state.qty}</td>

<td><button style={{width:'45px', margin: '5px'}} onClick={this.addQuantity}>+</button></td>

<td><button style={{width:'45px', margin: '5px'}} onClick={this.subQuantity}>-</button></td>

<br /><br /><br /><br />

</tr>

);

}

}

export default Product;

**ProductList.js**

import React,{Component} from 'react';

import Product from './Product';

import styles from './mystyle.module.css';

class ProductList extends Component {

constructor(props)

{

super(props);

this.state={

products:[

{

name:"white shirt",

price:3000,

src: 'https://images.tailorstore.com/YToyOntzOjU6IndpZHRoIjtpOjExNTI7czo2OiJoZWlnaHQiO2I6MDt9/images/catalog/12466-islington-white-men-s-shirt-9bf3fd-folded-tailor-store.jpg'

},

{

name:"black pant",

price:3000,

src:'https://s7d2.scene7.com/is/image/marmot/84160\_001\_f?$dw-product$='

},

{

name:"leather jacket",

price:8000,

src: 'https://cdn.shopify.com/s/files/1/0904/1750/products/IS943AA56GJRZAFAS\_1.jpg?v=1505796582'

},

{

name:"cuff links",

price:2500,

src: 'https://static.theblacktux.com/products/cufflinks-studs/silver-tone-oval-onyx-cufflinks/JY\_001\_silver\_onyx\_0032rt5\_1812x1875.jpg?impolicy=PDPdesktop'

}

],

total:0

}

this.incTotal=this.incTotal.bind(this);

this.decTotal=this.decTotal.bind(this);

}

incTotal(n)

{

this.setState({

total:this.state.total+n

});

}

decTotal(n)

{

this.setState({

total:this.state.total-n

});

}

render()

{

var productList=this.state.products.map((product)=><Product img={product.src} name={product.name} qty={product.qty} price={product.price} inctotal={this.incTotal} dectotal={this.decTotal}/>);

return(

<div>

<table className={styles.products}>

<tr><th>Image</th><th>Name</th><th>Price</th><th>Quantity</th><th>Add</th><th>Remove</th></tr>

{productList}

</table>

<div>Total: {this.state.total}</div>

<br /><br /><br /><br /><br /><br /><br /><br />

</div>);

}

}

export default ProductList;

**mystyle.module.css**

.products {

width: 1000px;

border-collapse: collapse;

box-shadow: 0 0 20px rgba(0,0,0,0.1);

}

th, td {

padding: 15px;

}

.f td{

padding:1px;

}

th {

text-align: left;

background-color: #55607f;

color: #fff

}

.products td {color:black; background-color: white;}

a

img {

border: 1px solid #ddd;

border-radius: 4px;

padding: 5px;

width: 150px;

}

**Output:**



