

React Components. Advanced

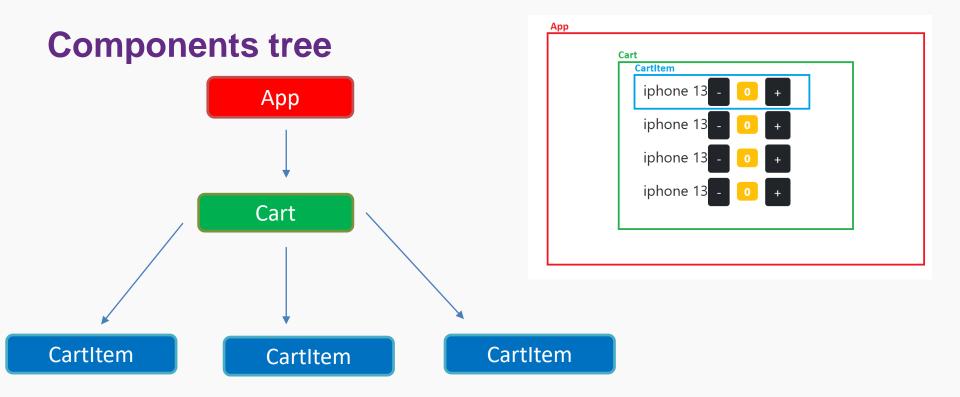


Agenda

- Pass data using props
- > Events
- Multiple components
- > Functional components
- Lifecycle methods. Hooks.









App Component

```
import React, { Component } from 'react';
import './App.css';
import Cart from './components/Cart';
class App extends React.Component {
   render() {
      return (
         <div className="App">
            <Cart />
         </div>
export default App;
```



Cart Component

```
import React, { Component } from 'react';
import CartItem from './CartItem';
export default class Cart extends Component {
   render() {
      return (
         <div>
            <CartItem />
            <CartItem />
            <CartItem />
            <CartItem />
         </div>
```



Cartitem Component

```
import React, { Component } from 'react';
export default class CartItem extends
Component {
   state = { count: 0 };
   styles = {
      fontSize: 18,
   };
   handleIncrement = () => {
      this.setState({ count:
this.state.count + 1 });
   };
   handleDecrement = () => {
      if (this.state.count > 0)
this.setState({ count: this.state.count - 1
});
   };
```

```
getCounterClasses() {
      let classes = 'badge m-2 bg-';
      const { count } = this.state;
      classes += count === 0 ? 'warning' : 'info';
      return classes;
  render() {
      return (
         <div>
            <span>iphone 13</span>
            <button onClick={this.handleDecrement}</pre>
className="btn btn-dark btn-sm">
            </button>
            <span
className={this.getCounterClasses()}>{this.state.count}</spa</pre>
            <button onClick={this.handleIncrement}</pre>
className="btn btn-dark btn-sm">
            </button>
         </div>
```



Props – Passing data to component

```
iphone 12
Lenor -
Samsung UHD
Busuioaca de bohotin -
```



Rendering list

```
iphone 13
Motorola V3
Siemens A50
Nokia 3310
```

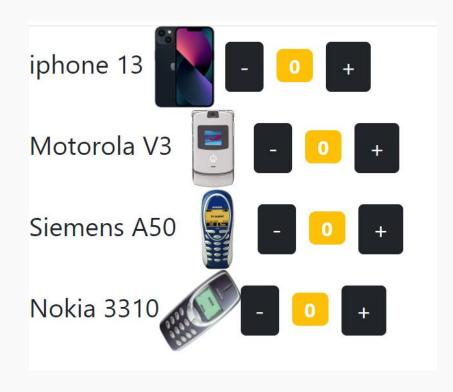


Passing Children (1)

```
export default class Cart extends Component {
  products = [
        name: 'iphone 13',
        imageURL:
            https://lcdn.altex.ro/resize/media/catalog/product/T/e/2bd48d28d1c32adea0e55139a4e6434a/Telefon_APPLE_iPhone_13_56_128GB_Midnight_4_.jpg',
        id: 2,
        name: 'Motorola V3',
        imageURL:
            'https://s13emagst.akamaized.net/products/353/352715/images/img30067_05052006145051.jpg',
        name: 'Siemens A50',
        imageURL:
            'https://www.manualdeinstructiuni.ro/thumbs/products/1/238982-siemens-a50.jpg',
        name: 'Nokia 3310',
        imageURL: 'https://m.media-amazon.com/images/I/81sQxjJBn1L.jpg',
     return (
           {this.products.map((product) => (
              <CartItem key={product.id}>
                 <CartProduct name={product.name} imageURL={product.imageURL} />
```

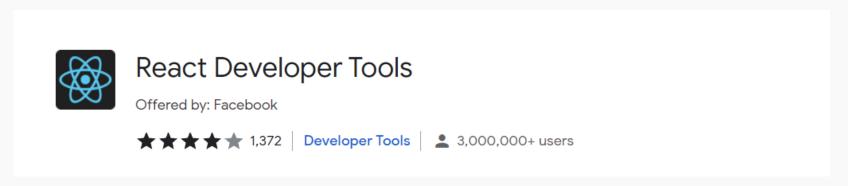


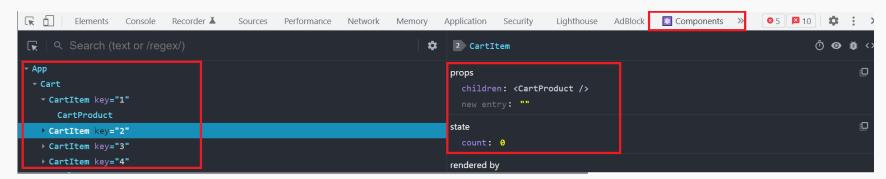
Passing Children (2)





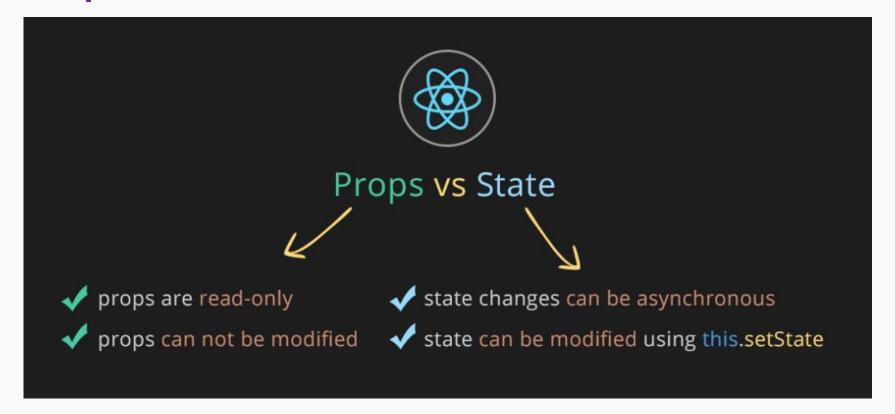
Debugging react apps







Props vs State





Raising and handling events

Handle onDelete event Cart Raises on Delete event CartItem

```
className="btn btn-danger btn-sm m-2"

Delete
</button>
```

