

REACTJS-JSX- PROPS

ANECO ACADEMY

JSX

```
<p title="Intro text">  
React.js is a library for  
building user interfaces.  
</p>
```

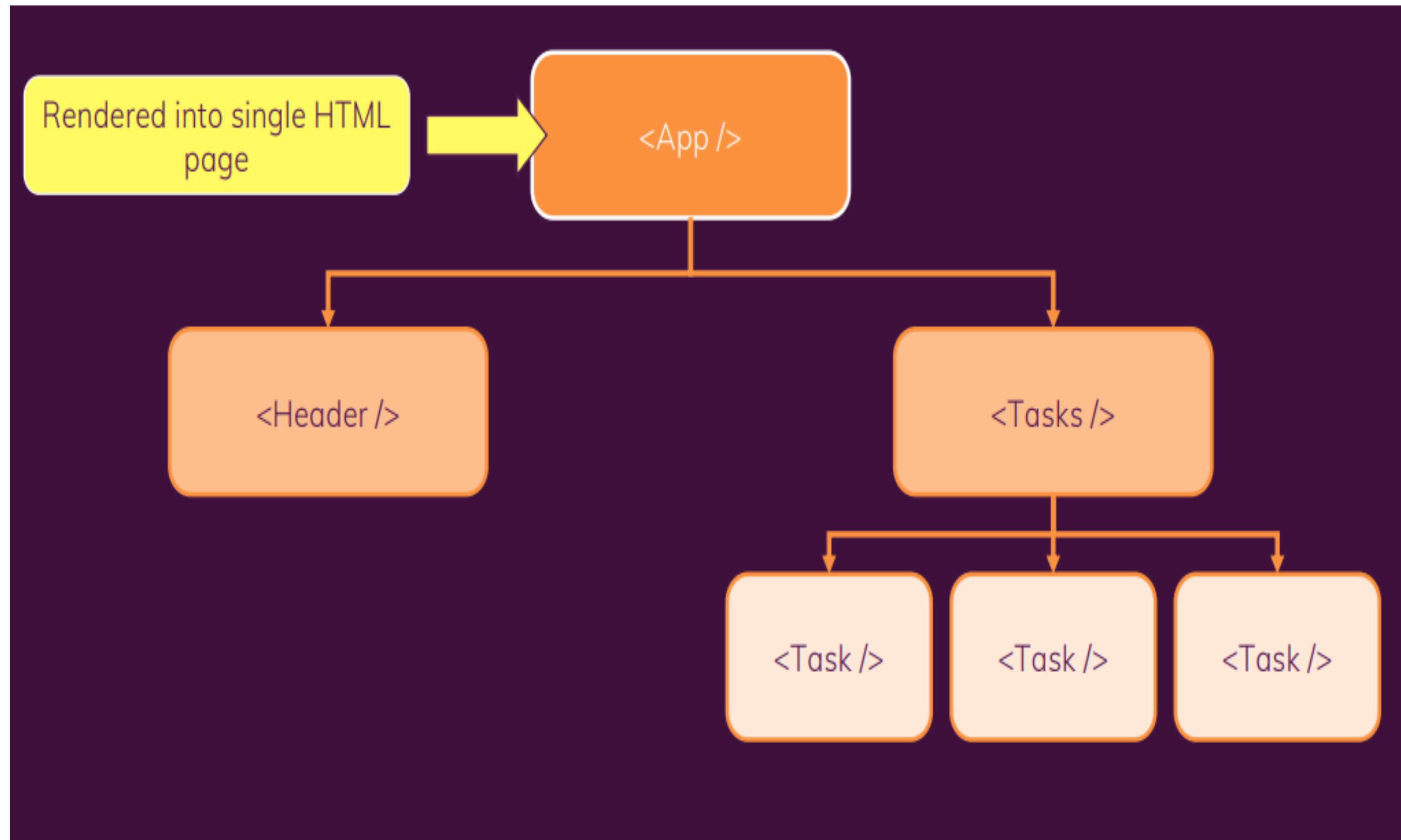


```
React.createElement(  
  'p',  
  { title: 'Intro text' },  
  'React.js is a library for  
  building user interfaces.'  
);
```

"Syntactic sugar", does **not run** in the browser like this!

Real JavaScript code, would run in the browser like this. Not nice to use for more complex than "HTML code".

Component tree



What is Props

Props are attribute of your custom html components.

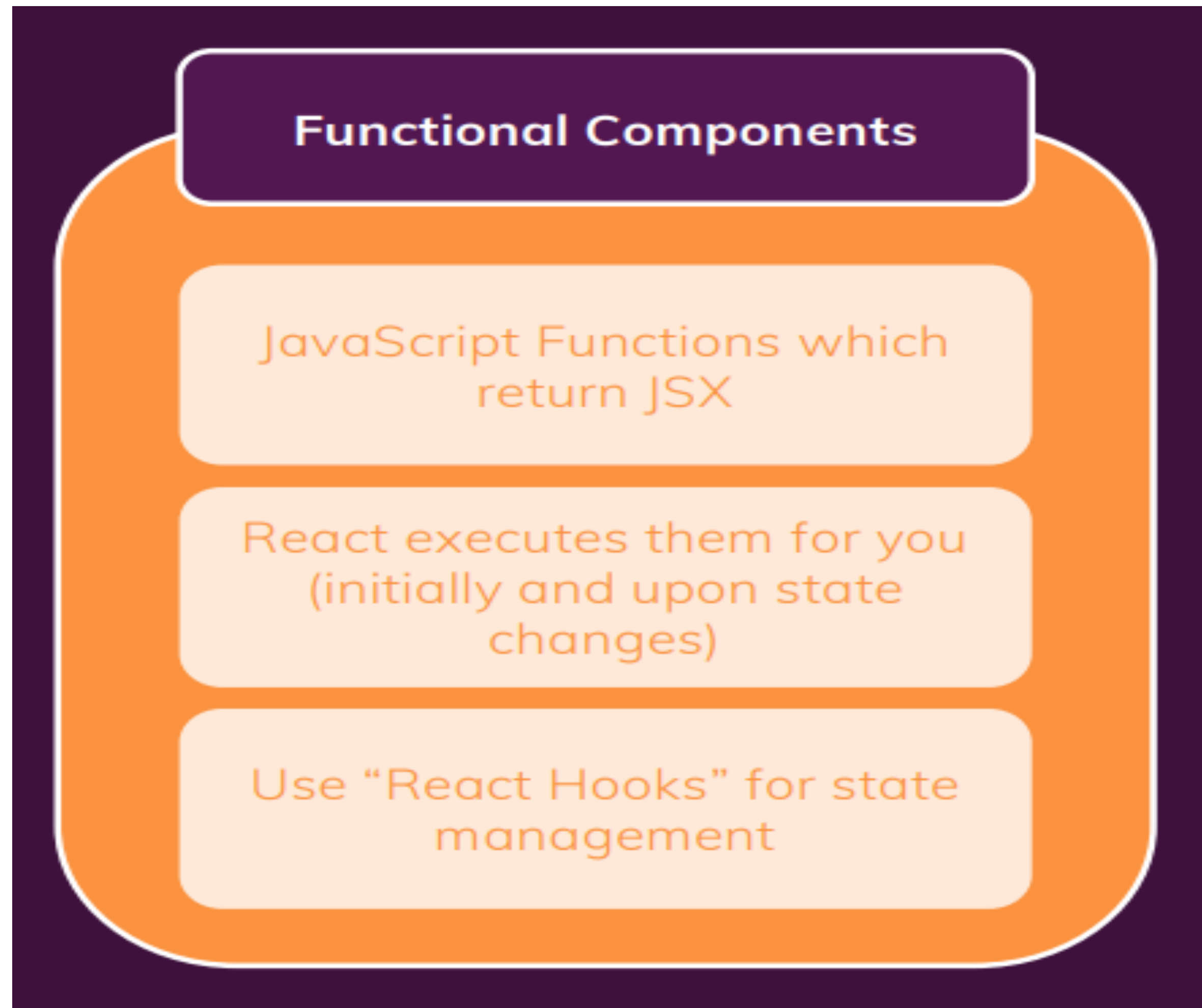
Similar in HTML built in attributes like id,name,value

Props is passed from higher component to lower component or parent to child component

PROPS-EXAMPLE



Functional component



Introduction to functional components

Functional components can be written in two ways using normal function and one is using arrow function

Maintaining state is not possible before React version 16.9

**From React version 16.9 maintaining the state is possible via
React Hooks**

**From React version 16.9 we can use lifecycle Hooks using
useEffect() method.**

Importing functional component in some other component

```
import Person from './Person/Person';

function App() {
  return (
    <div className="App">
      <h1>Hello world</h1>
      <p>Elements inside the JSX</p>
      <Person/>
    </div>
  );
}
```


Passing props in functional component-1

```
import Product from './Components/Product/Product';  
You, seconds ago | 1 author (You)  
class App extends Component{  
  render(){  
    return (  
      <div className="App">  
        <Product name='Samsung' price='2000' />  
      </div>  
    );  
  }  
}  
export default App;
```

Passing props in functional component-2

```
import React from 'react';

const Product=(props)=>{
  return (
    <div>
      <p>{props.name}</p>
      <p>{props.price}</p>
    </div>
  )
}

export default Product
```