

🚩 Current Skill Components Types

Types of components

As we have said earlier, there are two types of React components, this division happened before the appearance of React version 16.8.

But for the purpose of learning, it's best if we know them.

The two types of React components are:

- **Class components:** referring to JavaScript classes.
- **Functional components:** referring to JavaScript function.

Class Components

If you read articles on the Internet about React components, you will find the following names that refer to **class components**:

Smart Component

Before React 16.8, the logic was only implemented in this type of component, because of the advantage that classes give over functions.



Stateful Component

Before february 2019, only class could hold and manage JavaScript State.

Container Components

It's called so, because usually it holds/contains other numeros (mostly functional) components.

Enough theory, let's take a look at an example:

```
class Greeting extends React.Component {  
  render(){  
    return <h1>Hi, I'm a smart component!</h1>;  
  }  
}
```



Functional Components:

These components are purely presentational and are simply represented by a function. This function optionally takes props and returns a React element to be rendered to the page.

Generally, it is preferred to use functional components whenever possible because of their predictability and conciseness. Since, they are purely presentational, their output is always the same if we give them the same props.

You may find functional components referred to as stateless, dumb or presentational in other reading material. All these names are derived from the simple nature that functional components take on.

- Functional because they are basically functions
- Stateless because they do not hold and/or manage state
- Presentational because all they do is output UI elements

But always remember, this is all before developing with React 16.8.

For now, all functional component can do the same things as class based component.

```
import React from "react";  
  
const Greeting = () => <h1>Hello World from my first component!</h1>;  
  
export default Greeting;
```

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