

REACT JS

Properties

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Just as functions can receive arguments, a component can also receive arguments called **props**.

Props is short form for properties.

props is actually an object that stores property names as keys.

When writing stateless functional components, **props** must be passed as function argument.

Inside the component, properties passed to it can be retrieved as follows:

`props.<propname>`

PROPS.CHILDREN

A component element can nest child DOM elements or other component elements.

These child elements can be accessed inside the component using the expression:

props.children

PROPS.CHILDREN

If child element is the root of a deeply nested structure, the property returns **an array**.

If child element is just a single element, the property returns **a single object or string**(not an array).

If there is no child element, the property returns the value **undefined**.

DEFAULT PROPERTIES

defaultProps is a property, of the component object, that can be used to set default values for a component's properties.

A component must never modify its own
props.

React is pretty flexible but it has a single strict rule:

All React components must act like pure functions with respect to their props.

END OF CHAPTER

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APPENDIX