



Well Paid Geek

React PropTypes
Cheatsheet

This cheatsheet will take you through all of the possible prop types which are available to use.

Simple, self explanatory types:

```
PropTypes.array
PropTypes.bool
PropTypes.func
PropTypes.number
PropTypes.object
PropTypes.string
PropTypes.symbol
```

You can allow a prop to be of multiple possible types using `PropTypes.oneOfType`, which takes an array of possible types:

```
PropTypes.oneOfType([PropTypes.string, PropTypes.bool])
```

You can restrict a prop to certain predefined values, using `PropTypes.oneOf`, which takes an array of values:

```
PropTypes.oneOf(['breakfast', 'lunch', 'dinner'])
```

Restricting the type of an array using `PropTypes.arrayOf`:

```
PropTypes.arrayOf(PropTypes.string)
```

The same for property values:

```
PropTypes.objectOf(PropTypes.string)
```

`PropTypes.shape` can be used to make sure a prop is an object that has properties of certain types:

```
PropTypes.shape({
  id: PropTypes.number,
  name: PropTypes.string,
})
```

If you need an object's properties to exactly match use `PropTypes.exact`. This way the object can have no properties which aren't specified:

```
PropTypes.exact({
  id: PropTypes.number,
  name: PropTypes.string,
})
```

Making sure prop is instance of a given class:

`PropTypes.instanceOf`

There are also some React specific prop types.

For anything that can be rendered:

`PropTypes.node`

For a React element:

`PropTypes.element`

By default all props are optional, to make them require simply prepend `isRequired`:

`PropTypes.string.isRequired`