

# How to declare proptypes to validate an array of specific strings?

Asked 1 year, 7 months ago   Active 1 year, 7 months ago   Viewed 2k times



A value passed to component can be an array of strings. That strings means different directions: `top`, `right`, `bottom`, `left`.

3



How to specify proptypes for component to allow only array of specified directions?



```
<Arrows
  directions=['left', 'bottom'] // accepts the array
/>
```

```
<Arrows
  directions=['left', 'back'] // doesn't accept the array
/>
```

javascript   reactjs

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asked Mar 29 '20 at 9:09



tanya fedchenko

1,367   2   7   30

## 2 Answers

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Something like this should do the job:

9



```
directions: PropTypes.arrayOf(PropTypes.oneOf(['top', 'right', 'bottom', 'left'])),
```



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answered Mar 29 '20 at 9:13



Andrzej T

246   1   3



You can make use of [PropTypes](#) for the Runtime type checking for React props.

1



Using the `PropTypes.arrayOf()` option to ensure that an array of specific values are passed. And as an argument, you pass `PropTypes.oneOf()` which accepts an array of values (the directions of the **Arrow**) to select from.



```
import React from 'react';
import PropTypes from 'prop-types';

class Arrow extends React.Component {
  render() {
```

```
    // ... do things with the props
  }
}

Arrow.propTypes = {
  directions: PropTypes.arrayOf(PropTypes.oneOf(['left', 'bottom']))
}
```

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answered Mar 29 '20 at 9:33

[Isaac Oluwatemilorun](#)

**366** 3 14

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