## 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.

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

```
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



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## 2 Answers





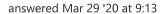
Something like this should do the job:



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



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Andrzej T **246** 1 3





You can make use of <u>PropTypes</u> for the Runtime type checking for React props.



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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10/27/21, 9:08 AM

answered Mar 29 '20 at 9:33

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