

# REACT JS

## Prop Type Validation

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A lot of bugs can be caught with type checking.

React has some built-in type checking abilities.

A special component property named **propTypes** can be used for type checking.

It can also be used to document the intended types of properties passed to components.

PropTypes is an optional NPM module.

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

```
npm install --save prop-types
```

<https://www.npmjs.com/package/prop-types>

PropTypes exports a range of validators that can be used to make sure the data you receive is valid.

For performance reasons, propTypes is only checked in development mode.

When an invalid value is provided for a prop, a warning will be shown in the JavaScript console.

# SYNTAX

```
MyComponent.propTypes = {  
  optionalArray: PropTypes.array,  
  optionalBool: PropTypes.bool,  
  optionalFunc: PropTypes.func,  
  optionalNumber: PropTypes.number,  
  mandatoryString: PropTypes.string.isRequired,  
}
```

# END OF CHAPTER

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# APPENDIX