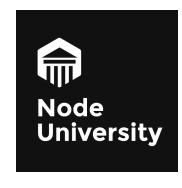
### React Foundation What is React



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### Quick Intro

>> So many technologies

- >> So many technologies
- >> Spaghetti code

- » So many technologies
- >> Spaghetti code
- >> Hard to test

#### The Definition

What is React.js?

It's not about templates, or data binding, or DOM manipulation. It's about using functional programming with a virtual DOM representation to build ambitious, high-performance apps with JavaScript.

Pete Hunt <a href="http://bit.ly/1U53Rb2">http://bit.ly/1U53Rb2</a>

# What React Brings to the Table

>> Virtual DOM

- >> Virtual DOM
- >> Declarative (not imperative)

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- >> Declarative (not imperative)
- >> Functional
- >> No DOM manipulation
- >> No templates
- >> No event listeners or handlers

#### **MVC**

React.js is not a model-view-controller (MVC) framework/library.

# You need to bring your own models and routers.

# React.js is only a VIEW.

#### Web Stack

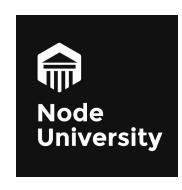
React.js can work with other MVClike framework such as Backbone.js and Angular.js.

### React.js is often used with Flux and React Router.

### React Foundation Overview



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1. Hello World

- 1. Hello World
- 2. JSX

- 1. Hello World
- 2. JSX
- 3. Babel and Webpack

- 1. Hello World
- 2. JSX
- 3. Babel and Webpack
- 4. Hello World with JSX

1. Composing Components

- 1. Composing Components
- 2. Variables

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- 2. Variables
- 3. Props

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- 2. Variables
- 3. Props
- 4. States

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- 4. States
- 5. Lists

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- 6. Clock Project

1. Components Methods

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- 2. Browser Events

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- 2. Browser Events
- 3. Controlled Components

- 1. Components Methods
- 2. Browser Events
- 3. Controlled Components
- 4. Refs and Uncontrolled Components

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- 2. Browser Events
- 3. Controlled Components
- 4. Refs and Uncontrolled Components
- 5. Timer Project

1. Prop Types and Default Prop Values

- 1. Prop Types and Default Prop Values
- 2. Higher-Order Components

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- 3. Rendering Children

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- 2. Higher-Order Components
- 3. Rendering Children
- 4. componentDidMount() and Other Components Lifecycle Events

#### Before Moving Forward

Make sure you have

- >> Node.js version 6+
- >> npm version 3+

Use <a href="http://nodejs.org">http://nodejs.org</a> or nvm (recommended):

curl -o- https://raw.githubusercontent.com/creationix/nvm/v0.32.1/install.sh | bash