REACT

A JAVASCRIPT LIBRARY FOR BUILDING USER INTERFACES

BUILDING THE APP

DESIGNING THE APP

A STATEFUL COMPONENT

A BASIC COMPONENT

HOW IT WORKS

OVERVIEW

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“

JUST THE UI

LOTS OF PEOPLE USE REACT AS THE V IN MVC. SINCE REACT MAKES NO ASSUMPTIONS ABOUT THE REST OF YOUR TECHNOLOGY STACK, IT'S EASY TO TRY IT OUT ON A SMALL FEATURE IN AN EXISTING PROJECT.

http://facebook.github.io/react/ ”

“

VIRTUAL DOM

REACT USES A VIRTUAL DOM DIFF IMPLEMENTATION FOR ULTRA-HIGH PERFORMANCE. IT CAN ALSO RENDER ON THE SERVER USING NODE.JS — NO HEAVY BROWSER DOM REQUIRED.

http://facebook.github.io/react/ ”

“

DATA FLOW

REACT IMPLEMENTS ONE-WAY REACTIVE DATA FLOW WHICH REDUCES BOILERPLATE AND IS EASIER TO REASON ABOUT THAN TRADITIONAL DATA BINDING.

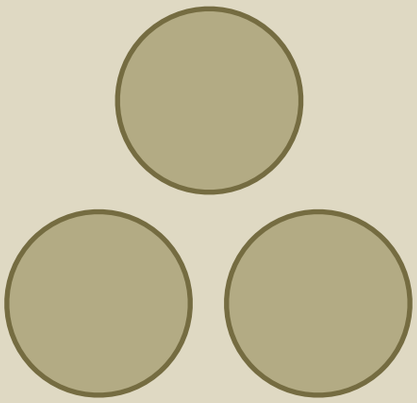
http://facebook.github.io/react/

”

HOW IT WORKS

ACTUAL DOM

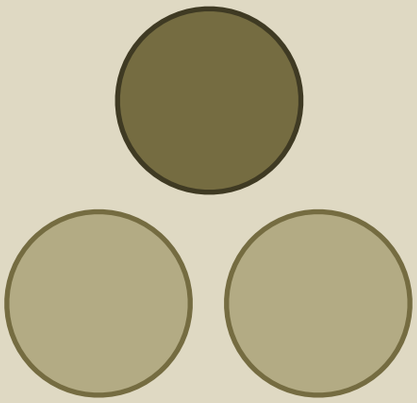
VIRTUAL DOM



COMPONENTS

ACTUAL DOM

VIRTUAL DOM



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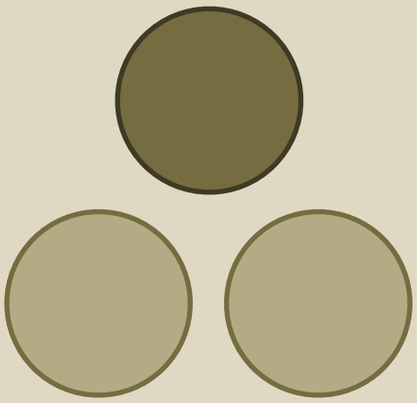

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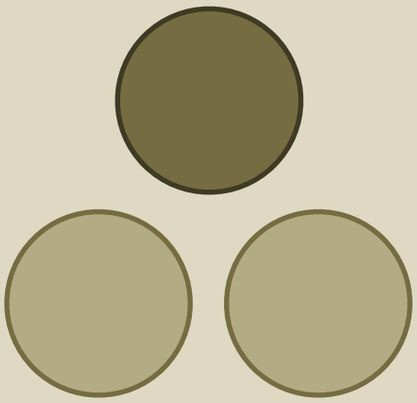

COMPONENTS

ACTUAL DOM

VIRTUAL DOM

COMPONENTS

A BASIC COMPONENT

GOALS

COMPONENT FUNDAMENTALS

PROPS

JSX OR REACT.DOM

A STATEFUL COMPONENT

GOALS

STATE

STATE VS PROPS

COMPONENT LIFECYCLE

getInitialState

componentWillMount

componentDidMount

shouldComponentUpdate

componentWillUpdate

componentDidUpdate

componentWillUnmount

DOES NOT COVER EVERY METHOD

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