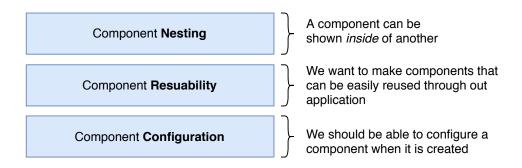
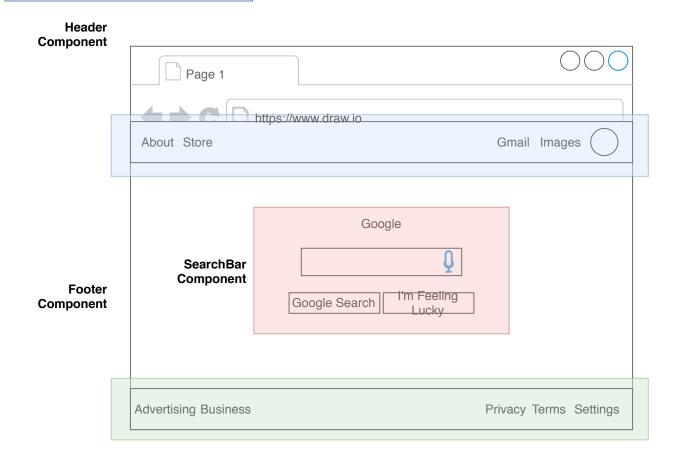
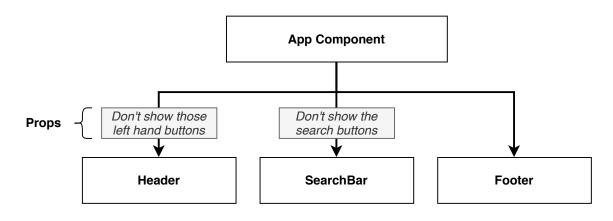
### **React Components**



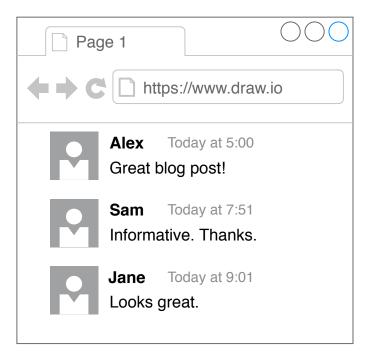
## Component Nesting





Component Hierarchy

#### Component Resuability



# Creating a Reusable, Configurable Component

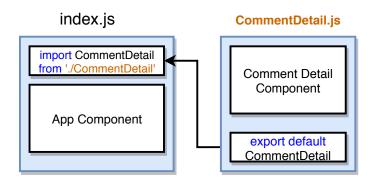
Identify the JSX that appears to be duplicated

What is the purpose of that block of JSX? Think of a descriptive name for what it does

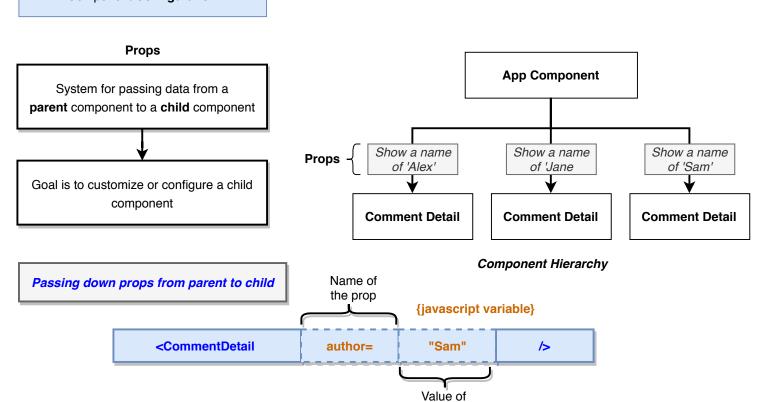
Create a new file to house this new component - it should have the same name as the component

Create a new component in the new file, paste the JSX into it

Make the new component configurable by using React's 'props' system

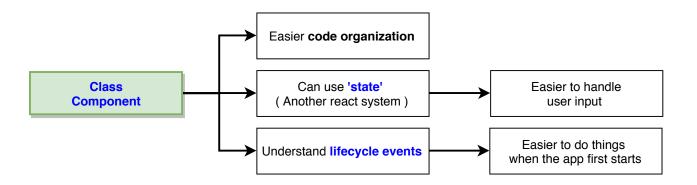


#### **Component Configuration**



the prop

#### **Benefit of Class Component**



#### **Component State**

Time

JS file loaded by browser

Instance of App component is created

App components **'constructor' function** gets called

State object is created and assigned to the **'this.state'** property

We call geolocation service

React calls the components render method

App returns JSX, gets rendered to page as HTML

---

We get result of geolocation!

We update our state object with a call to 'this.setState()'

React sees that we updated the state of a component

React calls our 'render' method a second time

Render method returns some (updated) JSX

React takes that JSX and updates content on the screen

# **Component Lifecycle**

Time Good place to do constructor one-time setup Avoid doing anything besides returning JSX render Content visible on screen Good place to do componentDidMount data-loading! Sit and wait for updates... Good place to do more datacomponentDidUpdate loading when state/props change Sit and wait until this component is not longer shown Good place to do cleanup componentWillUnmount (especially for non-React stuff)