

# Objectives

Components
Props & State
The Flow of Data
Events

## Wireframe

## Sketch

## HTML



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#### POST



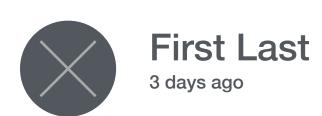
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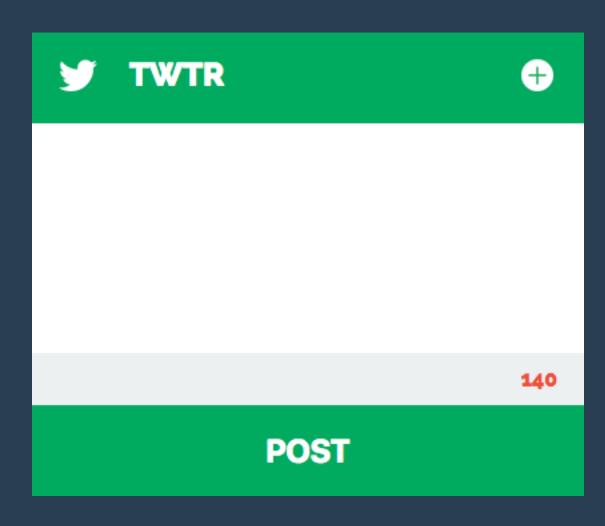
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## Components

## Header



## Series



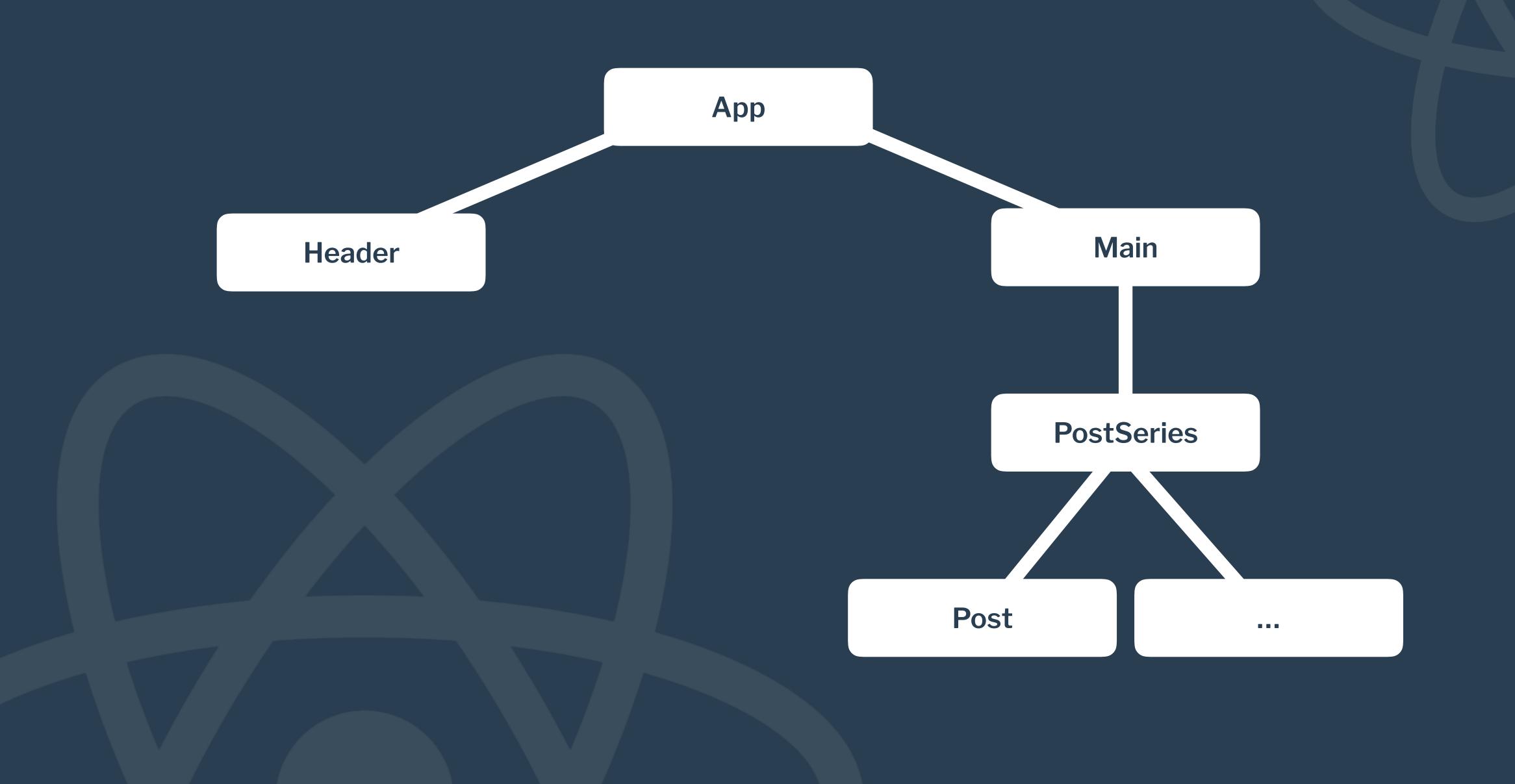
## Post



#### Susan Malloy just now



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# Props

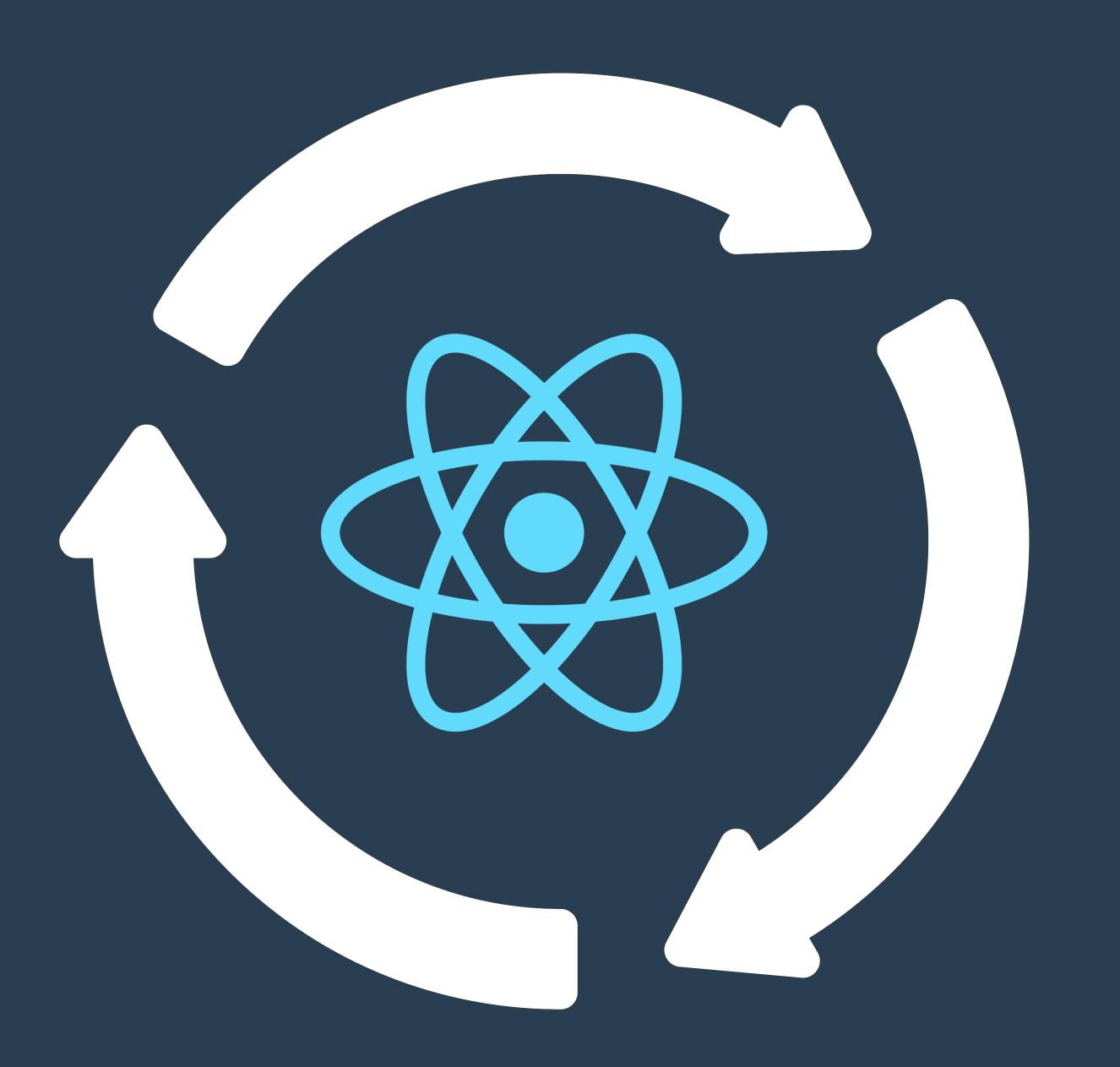


State

A React component cannot change it's props.

A React component can change it's own state.

React
Component
Lifecycle



## Create

```
constructor()
componentWillMount()
render()
componentDidMount()
```

## Update

```
componentWillReceiveProps()
shouldComponentUpdate()
componentWillUpdate()
render()
componentDidUpdate()
```

Destroy

componentWillUnmount()

## Mounting

## Updating

Unmounting

componentWillUnmount

componentWillReceiveProps



shouldComponentUpdate



componentWillUpdate



componentWillMount

constructor



render



componentDidMount



componentDidUpdate

## Mounting

- initial state
- default props

constructor



componentWillMount



### Updating

componentWillReceiveProps



shouldComponentUpdate



componentWillUpdate



render



componentDidMount



componentDidUpdate

## Unmounting

componentWillUnmount

## setState



render

### Do not modify state directly.

```
this.state.posts = [];
```

```
this.setState({ posts: [ ] });
```

### State updates are merged.

```
onError(message) {
constructor() {
  super();
                               this.setState({
                                 error: message
  this.state = {
                               });
    content: '',
    error:
```

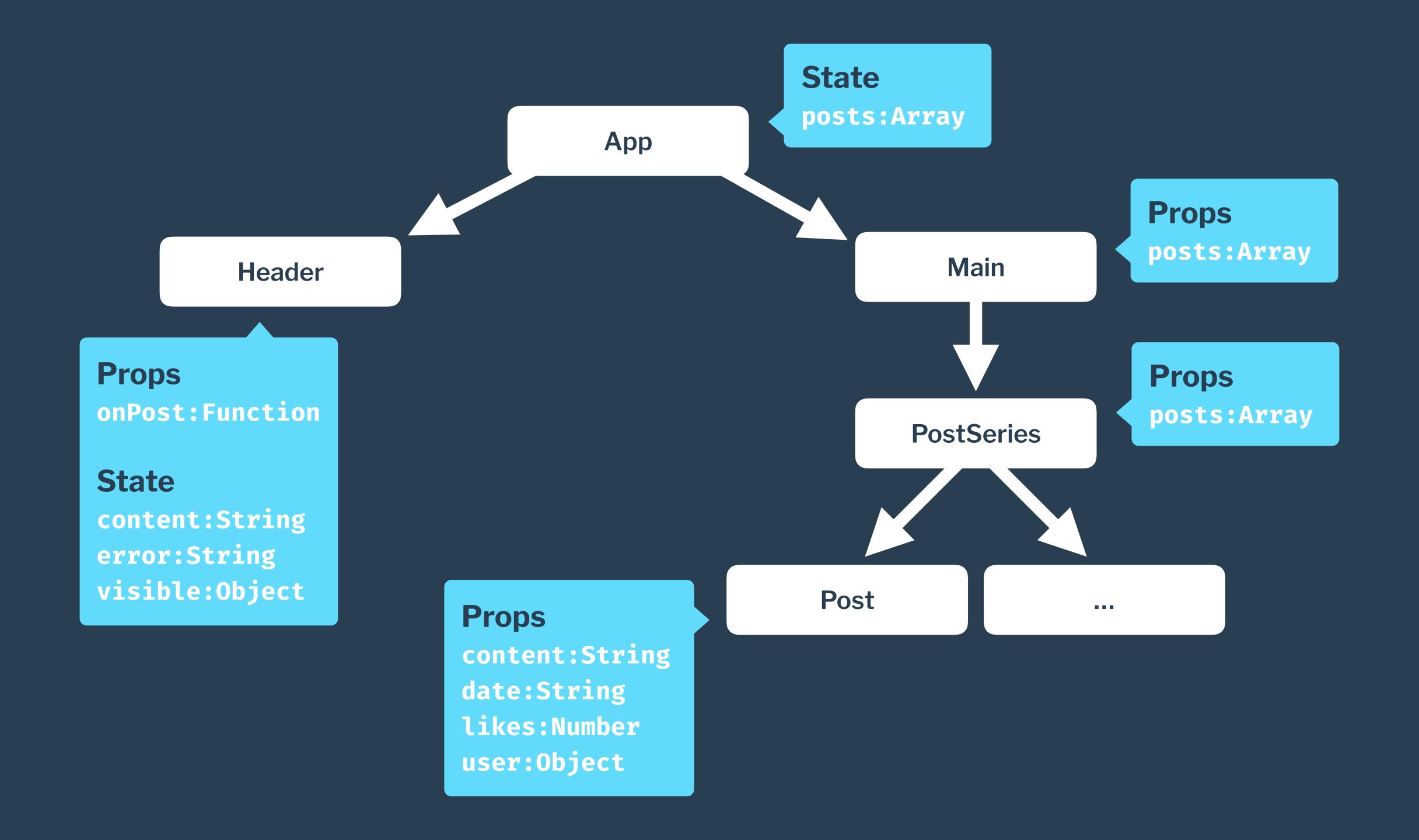
### State updates may be asynchronous.



React may batch multiple setState() calls into a single update for performance.

## The Flow of Data







onPost("Content");

props

Header

**Props** 

onNewPost:Func

**State** 

content:String

error:String

visible:Object



# Handling Events

```
<button onClick={ this.onPost }>
</button>
```



# Questions?





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#### **POST**



#### Susan Malloy just now



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#### Richard Melville 15 seconds ago



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#### Judy Jones 10 days ago



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#### **POST**



#### Susan Malloy just now



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#### **Judy Jones** 10 days ago



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#### **POST**



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