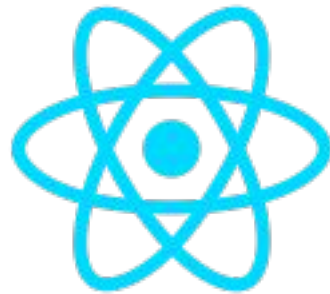
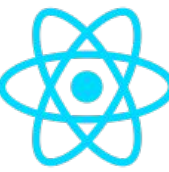


Dive into React Native



Xiaozhe Yao
Chief Engineer @ Zhitan Technology
@Shenzhen Univ.



Intro

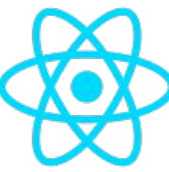
Learn Once, Write Everywhere \neq Write Once, Run Everywhere

Lets you build mobile apps using **only** JavaScript

A React Native App is a **Real** Mobile App

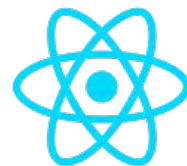
Reload your app **instantly**

Use Native Code When You Need To

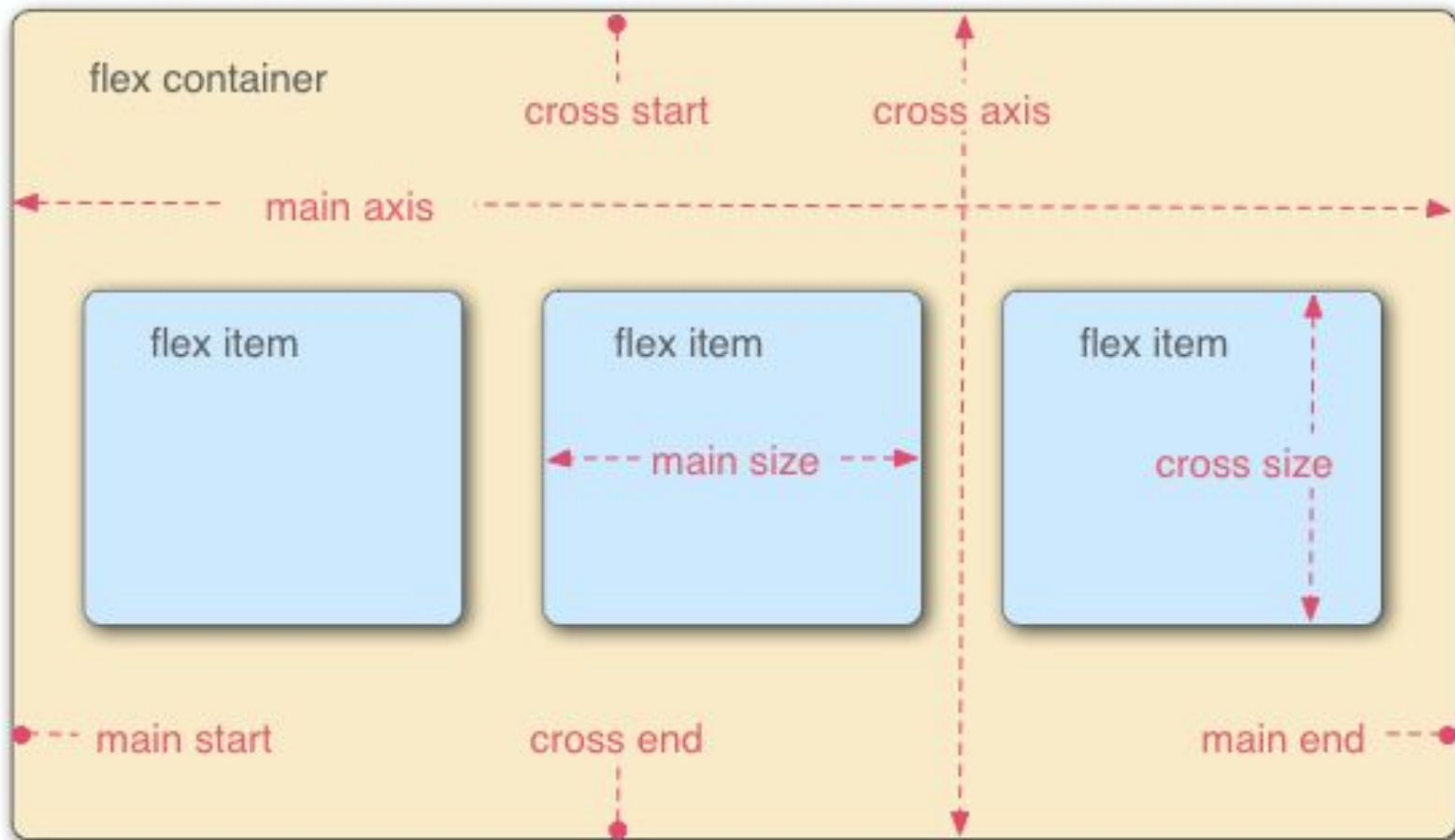


Content

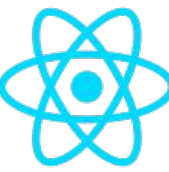
1. Layout
2. Component
3. Network
4. Example – Tech Builds



Layout-Flexible Box

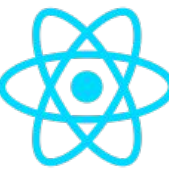


- flex-direction
- flex-wrap
- flex-flow
- justify-content
- align-items
- align-content



Component -- JSX

```
var component = React.createClass({  
  render: function () {  
    return <div>Hello World</div>  
  }  
});
```



Component – A Simple Component

```
var HelloMessage = React.createClass({
  render:function () {
    return <div>Hello {this.props.name}</div>
  }
});

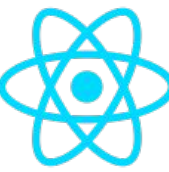
React.render(
  <HelloMessage name="John"/>,
  document.getElementById('example')
)
```

React

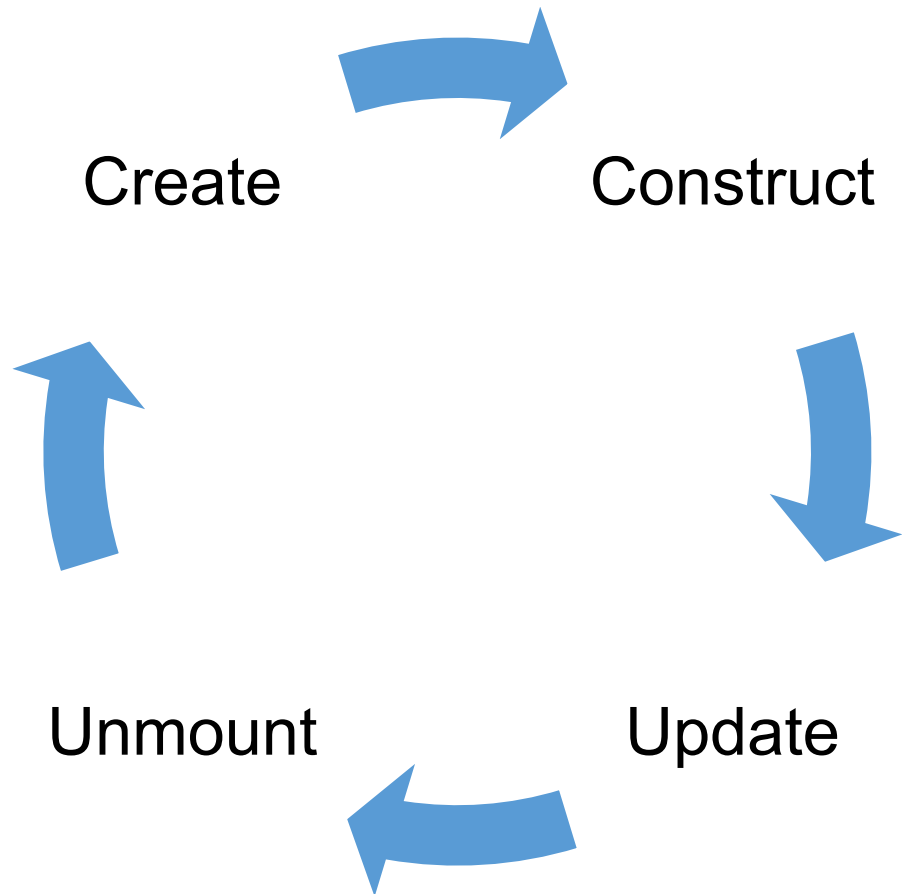
React.createClass

Render

React.Render



Component – Life Cycle



Create -- `createClass`

getDefaultProps()

Construct -- `<>`

getInitialState()

componentWillMount()

Render()

componentDidMount()

Update

componentWillReceiveProps()

shouldComponentUpdate()

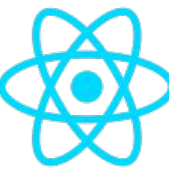
componentWillUpdate()

Render()

componentDidUpdate()

Unmount

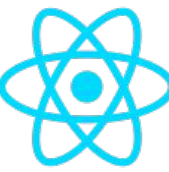
componentWillUnmount()



Network

```
fetchData() {
  fetch('http://10.10.1.120:6789/article')
    .then((response) =>
response.json())
    .then((responseData) => {
      this.setState({
        articles: responseData.articles,
      });
    }).done();
}
```

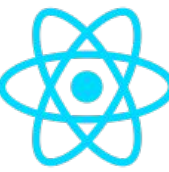




Network

```
post:function (url,data,callback) {
  var fetchOptions={
    method:'POST',
    headers:{
      'Accept':'application/json',
      'Content-Type': 'application/json'
    },
    body: JSON.stringify(data)
  };
  fetch(url,fetchOptions)
  .then((response)=> response.text())
  .then((responseText)=>{
    callback(JSON.parse(responseText));
  });
}
```

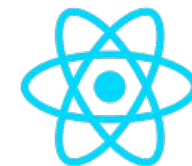




Network

```
Parse.initialize("YOUR_APP_ID");  
Parse.serverURL = 'http://localhost:1337/parse'
```





Example – Tech Builds

