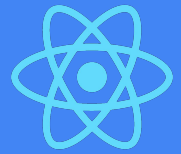


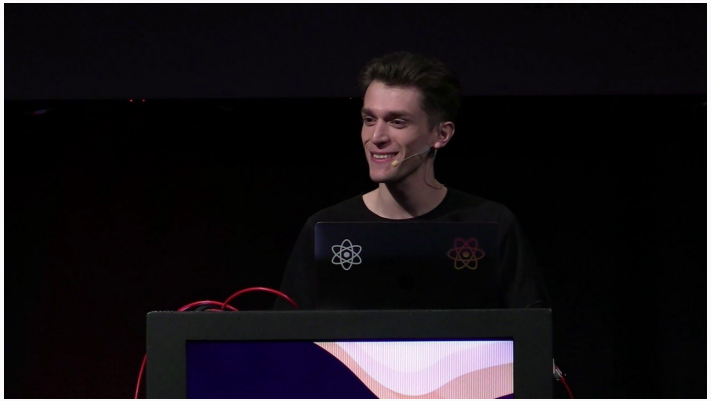
React - Classes vs. Hooks

A practical approach

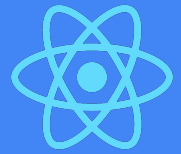
V.J.

React Conf Oct 2018

- Dan Abramov announced Hooks in October 2018

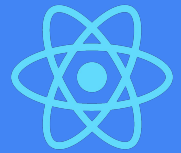


React Lifecycle Methods (classes)



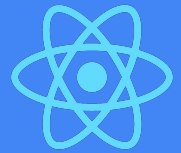
- constructor
- componentDidUpdate
- componentWillUnmount
- render

React state vs. props



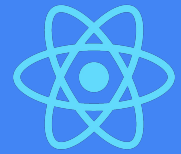
- state (internal)
  - onChange={ e=> this.setState({ name: e.target.value })}
- props (external)
  - <MyComponent name={myValue} />

React Class



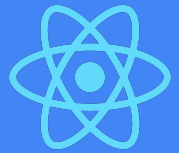
```
class MyComponent extends React.Component {
        constructor(props) {
                super(props)
                this.state={
                        name:  “ ”
                }
        }
        render() {
                return(
                        <div>
                                <input onChange={e=>this.setState({name: e.target.value})} value={this.state.name} />
                        </div>
                )
        }
        componentWillUnmount() {
                console.log(‘Bye…’)
        }

}
```

React Function (stateless component)



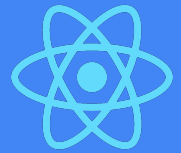
```
const MyName = ({name, setName})=> {
        return(
                <div>
                        <input onChange={e=>setName({e.target.value})} value={name} />
                </div>
        )
}
```

React Hooks useState



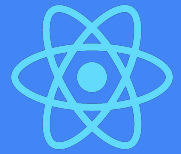
```
const MyComponent = ()=> {
        const [name,setName]=useState(“”)


        return(
                <div>
                        <input onChange={e=>setName({name: e.target.value})} value={name} />
                </div>
        )


}
```

React Hooks useEffect



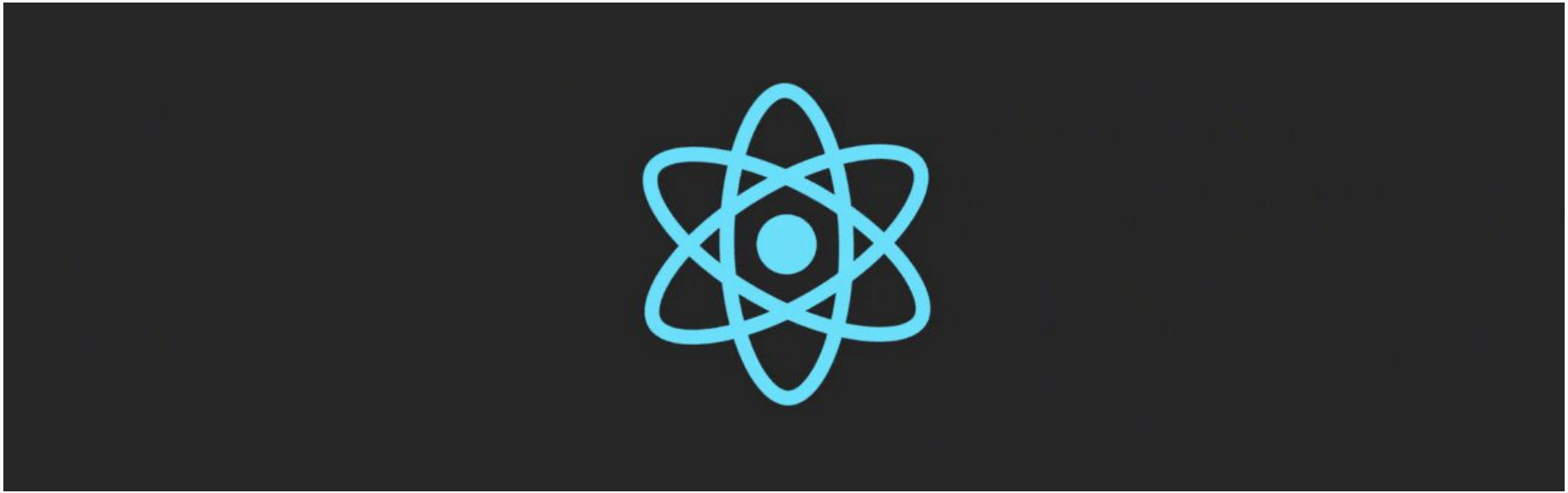
```
const MyComponent = ()=> {
        const [name,setName]=useState(“”)

        useEffect(()=> {
                return ()=>console.log(‘Bye…’)
        },[])

        return(
                <div>
                        <input onChange={e=>setName({name: e.target.value})} value={name} />
                </div>
        )


}
```

React Classes vs Hooks lifecycle



- componentDidUpdate
- componentWillUnmount

- useEffect(()=>{
  console.log(myProp)
  }, [myProp])
- useEffect(()=>{
  console.log('Bye')
  }, [])



https://github.com/VladimirJelincic/musicians-react-hooks-demo

Thank you!