



# React Hooks: The good, the bad, and the ugly

UX, Web & Mobile



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## 01 Introduction / What are React Hooks?

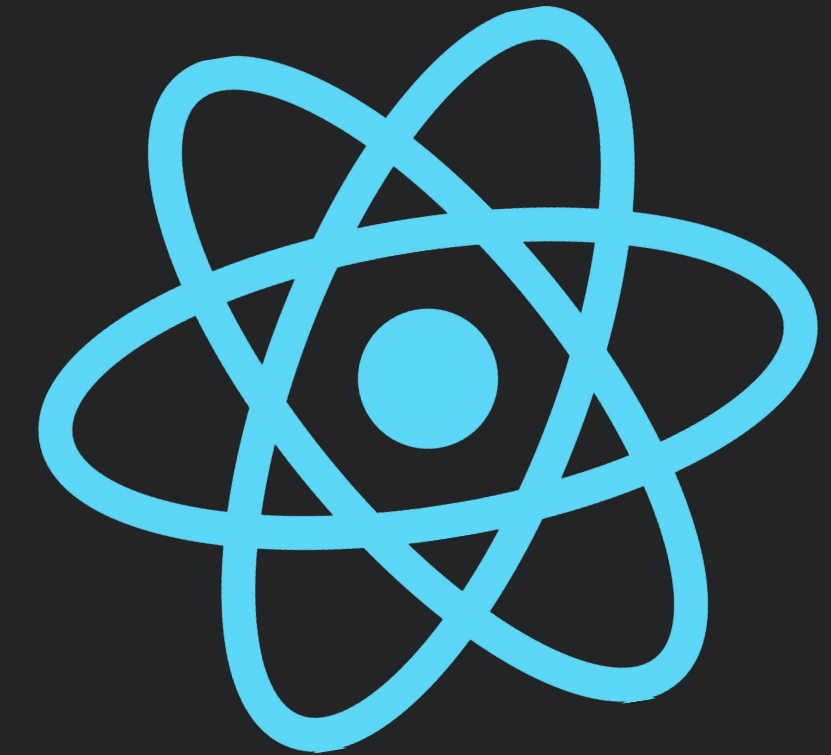
02 The good, the bad and the ugly

03 Kholasa

# What are React Hooks anyway?

*Hooks* are a new addition in React 16.8. They let you use state and other React features without writing a class.

- *React Docs*







```
import React, { useState } from 'react';

function Example() {
  // Declare a new state variable, which we'll call
  "count"
  const [count, setCount] = useState(0);

  return (
    <div>
      <p>You clicked {count} times</p>
      <button onClick={() => setCount(count + 1)}>
        Click me
      </button>
    </div>
  );
}
```



**Walakin..**

**Chno li kan 9bel lhooks?**



**Walakin..**

**Chno li kan 9bel lhooks?**

**L' jawab:**

**Class Components!!!**



```
import React, { Component } from 'react'
import Axios from 'axios'

export default class Hello extends Component {

  constructor(props) {
    super(props);
    this.state = { name: "" };
  }

  componentDidMount() {
    Axios.get('/api/user/name')
      .then(response => {
        this.setState({ name: response.data.name
      })
    })
  }

  render() {
    return (
      <div>
        My name is {this.state.name}
      </div>
    )
  }
}
```



```
import React, { useEffect, useState } from
import 'Axios' from 'axios'

export default function Salam() {

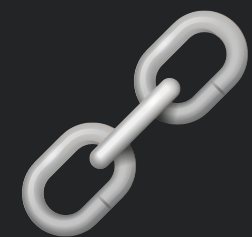
  const [Name, setName] = useState("")

  useEffect(() => {
    Axios.get('/api/user/name')
      .then(response => {
        setName(response.data.name)
      })
  }, [])

  return (
    <div>
      My name is {Name}
    </div>
  )
}
```



# What problems do Hooks solve?



Reusing Logic



Huge Components



Confusing Classes

# Class Components

You took everything from me

# Hooks

I don't even know who you are



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# The good

- A better alternative to some common design patterns.
- Easy to test and maintain (functional components).
- Create re-usable, isolated components to avoid redundant logic.
- Easy to use and write and co-locate.



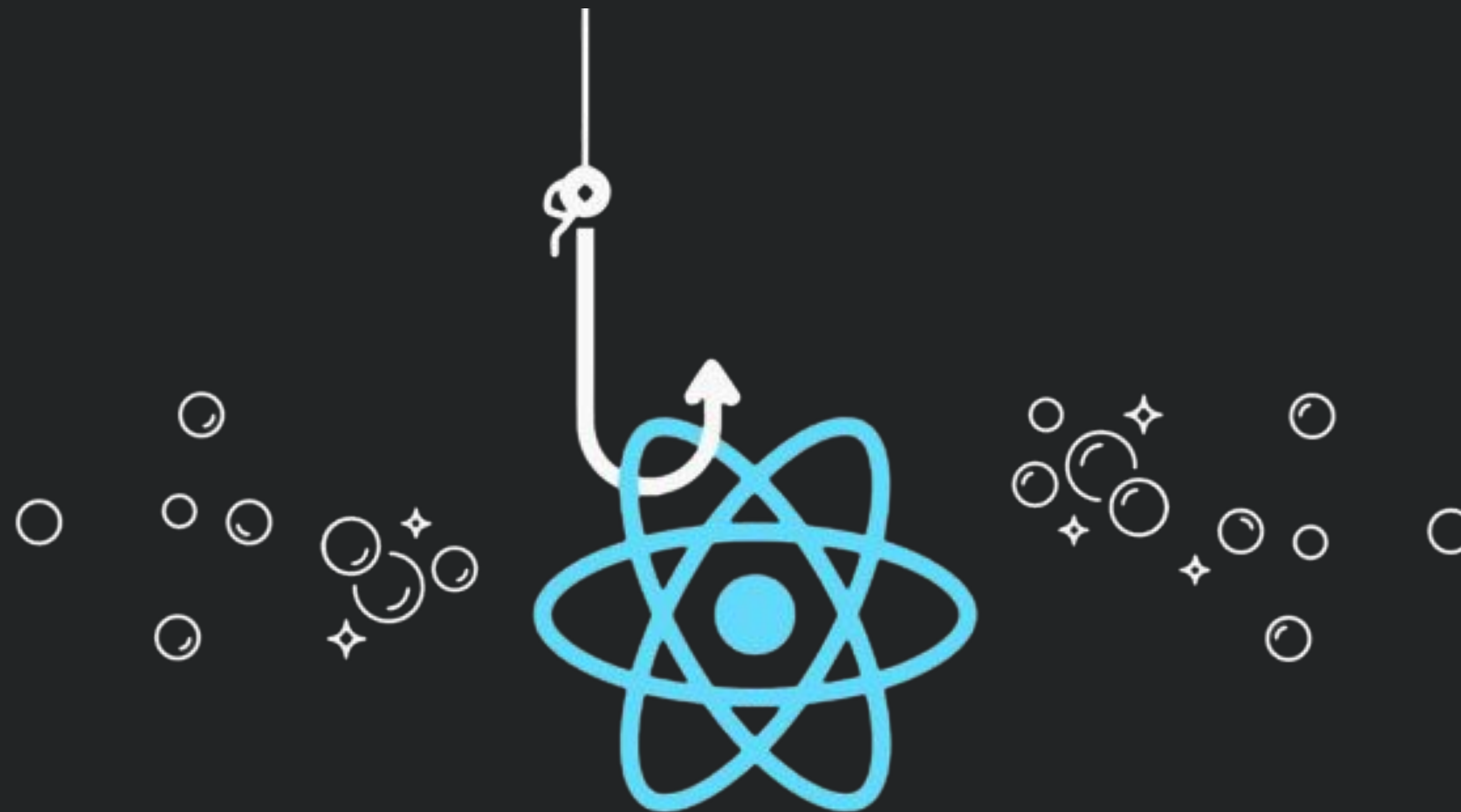
# The bad

- Have to respect its rules (The rules of Hooks)
- Need a considerable time practicing to use them properly (Ex: useEffect).
- Be aware of the wrong use (Ex: useCallback, useMemo).

# The ugly



# Rules of Hooks





# Only Call Hooks at the Top Level

Don't call Hooks inside loops, conditions, or nested functions





# Only Call Hooks from React Functions

Don't call Hooks from regular JavaScript functions.



```
npm install eslint-plugin-react-hooks --save-dev
```



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على  
سلامتكم





# Thank you!



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