**Chapter 1 Intro**

What is React

JavaScript library for building user interfaces

React is a View layer library, not a frame work like Backbone or angular

Why is it compelling ?

Declarative & Composable

Virtual Dom

One-way data flow

Declarative & Composable

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Graphical user interface, text

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1.3 State Machines

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Graphical user interface, text

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1.4 First Component

First Component

JSX : Java Script and XML

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1.5 Class components

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1.6 States

State establishes Reactive relation between component and UI

Counter app

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**Chapter 2 Lifecycle Methods**

**2.1 Mounting**

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**2.2 Updating**

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**Graphical user interface, text, application

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**Diagram

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**2.4**

**2.4 Error handling using Error boundaries**

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**Chapter 3 Hooks**

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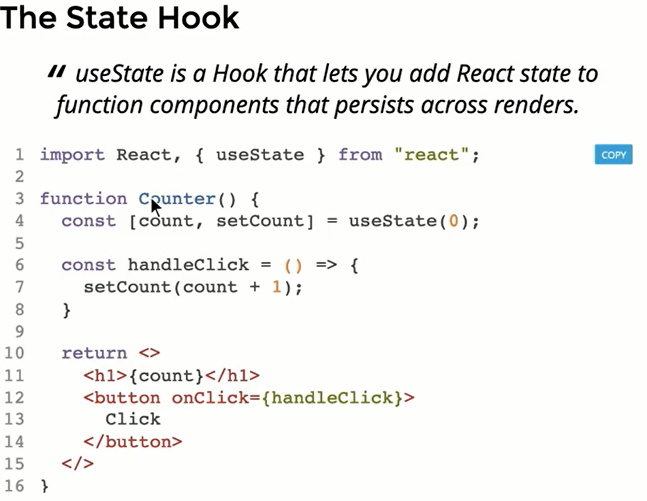
**Graphical user interface, text, application

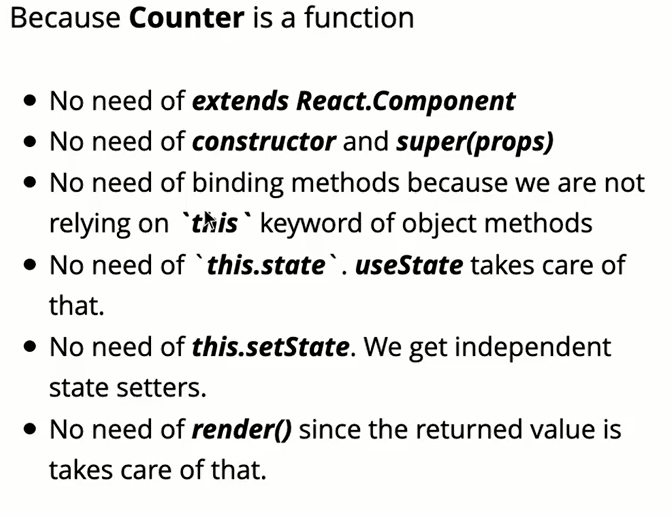
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**Graphical user interface, text, application

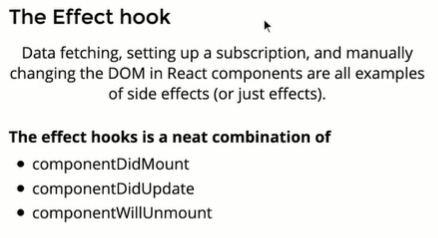
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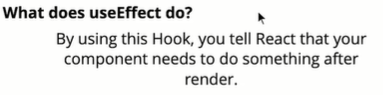
**3.1 The State Hook**

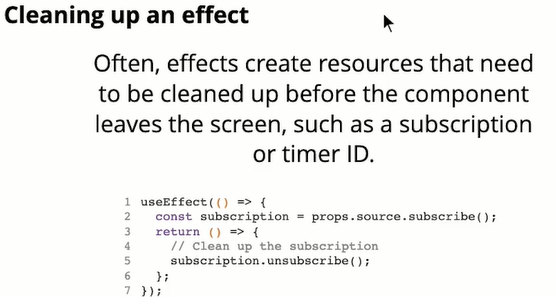
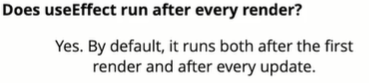
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**3.2 – 3.3 The Effect Hook**

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**3.4 The Ref Hook**

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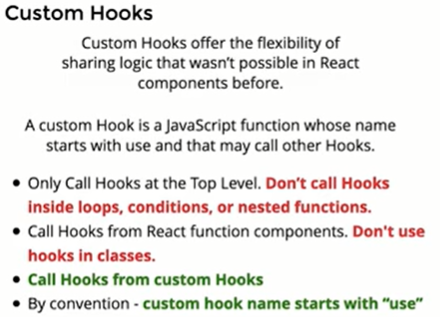
**3.5 The Reducer**

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**3.6 Custom Hooks**

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**Chapter4: Design Patterns**

**4.1 Children of React**

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**4.2 Manipulating Children**

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**Enforcing a single child**

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**Editing Children**

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**4.3 Higher Order Component (HOC)**

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**Text

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**Text, letter

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**Render Hijacking**

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**4.4 Context API**

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