	Camlin Page Date / /
	The props states always flows from the parent to the child component and using props helps us avoid the need to change the data in several places. Instead we make change at data source, the parent and the updates will be applied to the child automatically.
1(Child component (hild component
*	Data flow in React The two main benefits of the unidirectional data flow one that it allows developed to: O Comprehend the logic of React app more quickly Simplify the data flow.
20	e.g Parent Component
25	function Dog() { return (<pre></pre>
30	}; };

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	Child component			
	Crimo Cerripon(ri)			
	function Puppy (props) }			
5.1	refurn (and here in the second second second		
	<div></div>			
		1 6	wlsha	26
	= "square" bow 15 totus = "full	" /.	w jong	pe
10		~		
	?;			
	Grandchild component			
	0.01.0(17.10 (0.11))			
15	function Bowl (props) }	2.5 %		
	return (
			The state of the s	
	& props. bow Shope 3 - sho	Ded)	1(1)	and
	¿props.bowlShope 3 - sho it's current 3 props.bou	15/0/	U.S &	4,10
20			J	
	· · · · · · · · · · · · · · · · · · ·			
	3;			
		~		
25	All the data in React can be divided into	PTOP 5	data	
	and states data	, ,	,	
	Data	=		
	Props State			
30				
_		37		

Drops Data:

- It is data outside the components that it receive and works with but cannot mutate

- The prop data are belongs to the parent that renders the components:

2) State Data:

- It is data inside the components that it

controls and can mutate.

- The state data belongs to the component
itself.

Hooks - Functions that let us hook into React state and lifestyle features from components
- Introduced in React Version 16.8

Use State hook:

- Used to manage the state within a component and keep track of it, and it's built directly in React

Dimport the useState from React import React, guseState 3 from 'react';

@ Declare a State variable

const [state, setState] = useState (initialState)

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5	@ Provide any name e.g const (showMenu, selShowMenu) = useState (folse
10	Calling the useState hook does two things ① Creales a state variable with an initial value ② Creates a function to sel that state Variable's value.
	Benefits of hooles - 1 Readobility. Simplicity
15	Rules of using hooks ① We can only call hooks of the top level of Our component or our own hooks ② We cannot call hooks inside loops
20	or conditions. 3 We can only call hooks from react functions and not regular javascript functions.
25	Stote - Data in a components that determines behavior - Used to a store data that affects the behavior of components
30	- It allows components to stay in sync with each other and ensure that app behaves as intended The state is used to initialize the component properties.

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• 1	
	(omponen)
	created
3/37	Initial state
	Component properties initialized
	Components can be either stateful or stateless
	Componento cari de cirrier oronores
	D Stateless component
	- App component with no state defined
	- The performs a single action which is to
	- It performs a single action, which is to render the text a stateless component and
	5
	function App () So
	return chi> A completely stateless
	component
	3
	3 Stote Ful component
	- This components also renders some texts
	but it references a variable to do so.
25	Function App () }
	const [word, setward] = React. use State ("Hel
	return (
÷.	<di>></di>
	<hi> A State Value: { word & </hi>
30	
) ',
	3: