React based apps 1 Facebook 1 Instagram 3 Netflix 9 Airbab (3) New york fimes when meta refeased the react library it included the concept of something called component-basedorchitecture. Component-bosed architecture :-- Build software based on reusable Component of code. - Reusable: Used multiple times and easily inserted anywhere when needed.

- Independent: Component can exist within the same space independently from each other. \* React is powerful tool for 1) Build and compose components

(a) High performance rendering

(3) Component rendering Spagnetti code - A term use in web development to describe code that is complex , convoluted and difficult to understand. Read provents the spagnetti code by avoiding any manipution of Dom · Instead React provide something known as Virtual Dom

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Virtual Dom:

real Dorg which minimizes updates to the Dorg itself - React uses the virtual Danto update the

browser DOM only when needed

- This insures that the update is as minimal as possible increasing the application speed and performance.

React provides two types of components

Defunctional components

Class components

1 Functional components

function Welcome () }
refurn chi>"Hello" </hi>

@ Class components

Class Welcome extends React. Components

render () {

render () {

return < h1> "Hello" < lh1>
};

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1.	functional component
	Render Syntax < Component Name / >
5	< Component Name />
	React opp
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×	Parat : caridad esci a il 111
- 10	React is scripted using special syntax called javascript XML or JSX
	javascript XIII OV JSA
	Jsx e-
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	- All I avascript code HTML elemen
20.	- Allows to write javascript code HIML element - Allows to make website dynamic
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	All component names in React must be capitalized because react treats lowercase components as regular HTML elements
	because react treats lowercase components as
	regular 1711/1 elements
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4	Transpiling - Interpreting a programming language and translating it to a specific torreget language.
	and fronstating it to a specific
	torrejet language.
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