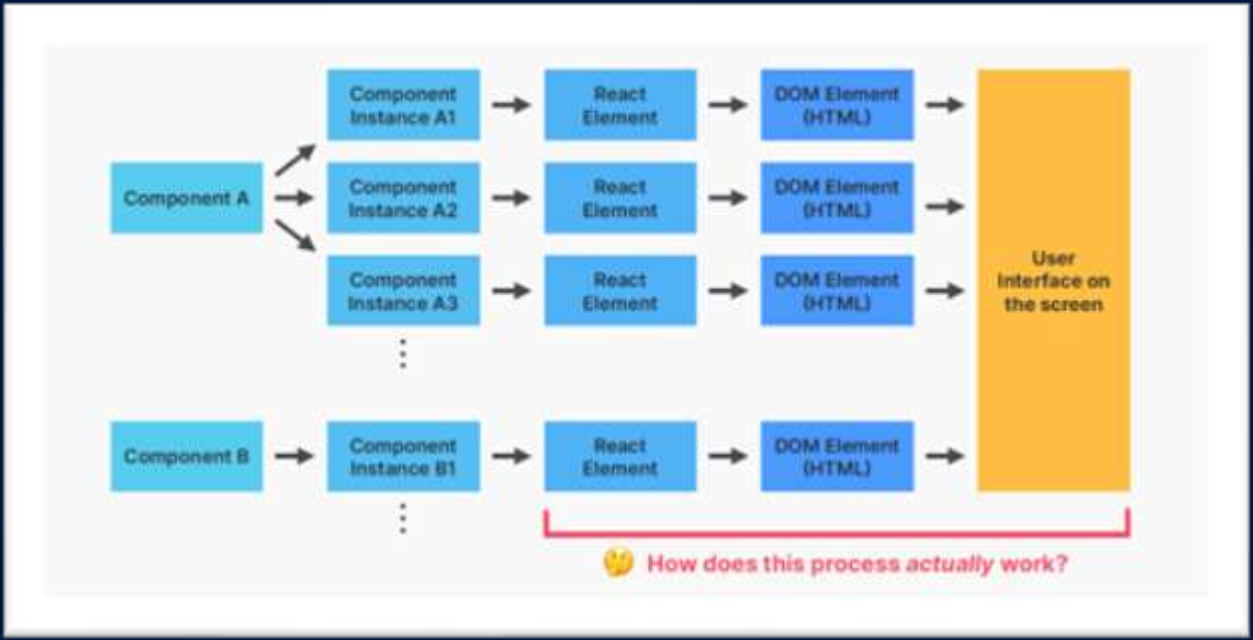
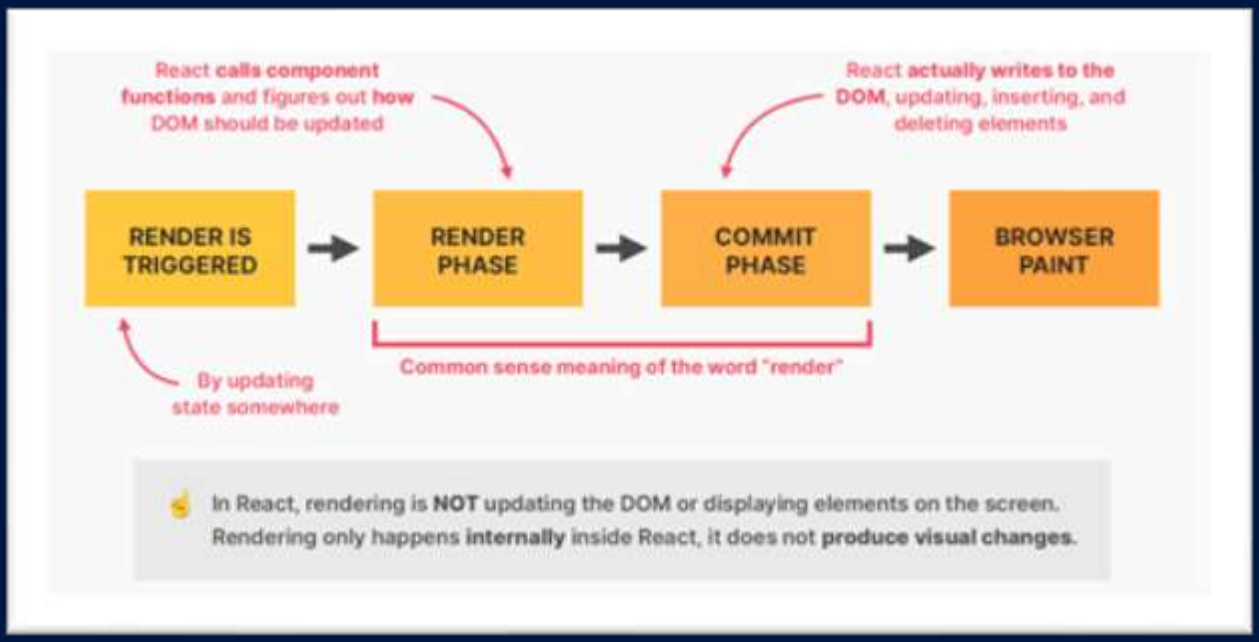
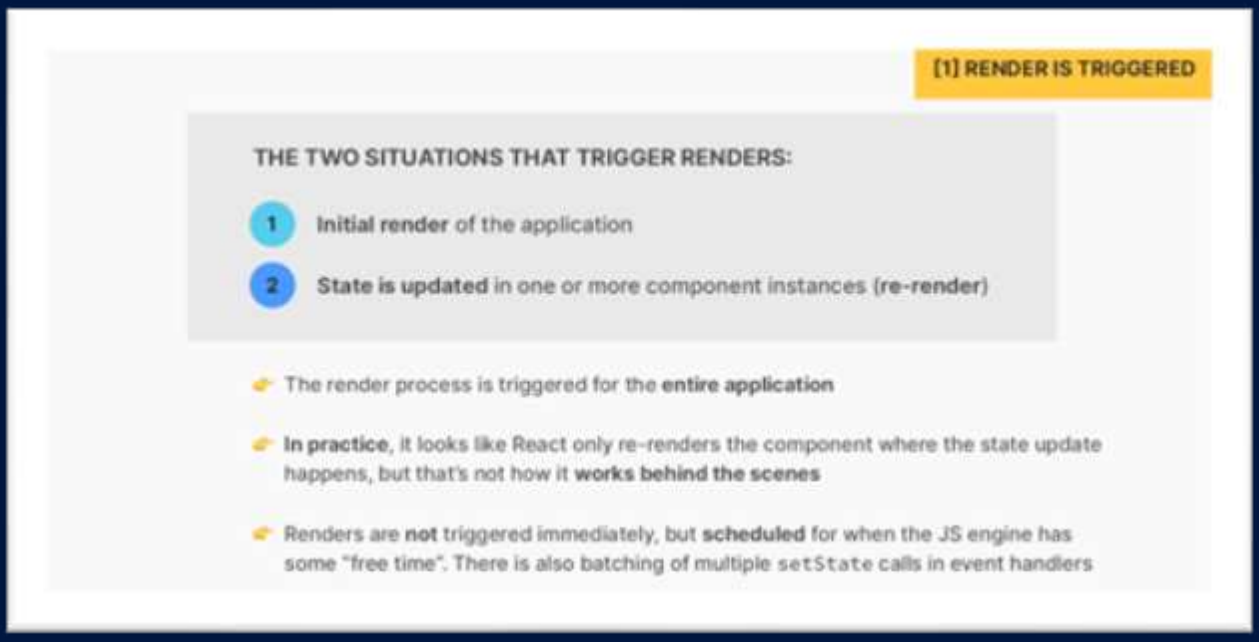
React

HOW RENDERS ARE TRIGGERED?



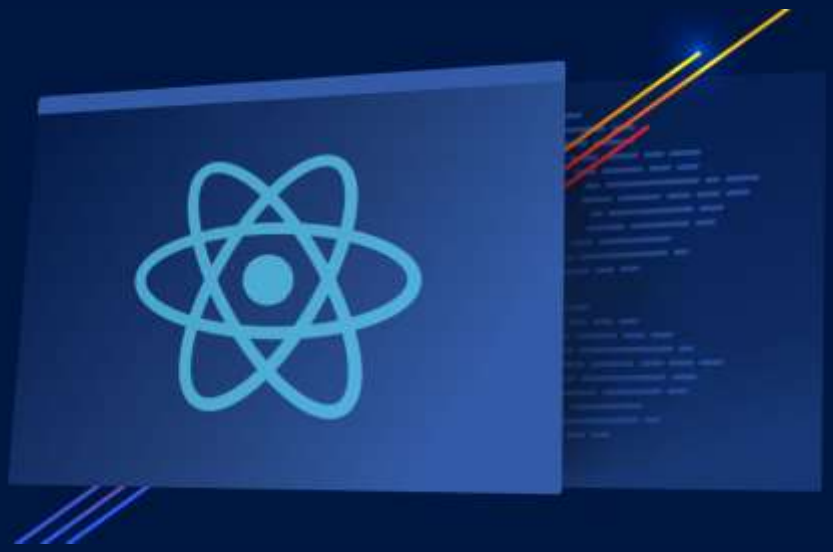

React calls component functions and figures out how DOM should be updated
React actually writes to the DOM, updating, inserting, and deleting elements
RENDER IS TRIGGERED
RENDER PHASE
COMMIT PHASE
BROWSER PAINT
By updating state somewhere
Common sense meaning of the word "render"
In React, rendering is NOT updating the DOM or displaying elements on the screen. Rendering only happens internally inside React, it does not produce visual changes.


[1] RENDER IS TRIGGERED
THE TWO SITUATIONS THAT TRIGGER RENDERS:
1 Initial render of the application
2 State is updated in one or more component instances (re-render)
The render process is triggered for the entire application
In practice, it looks like React only re-renders the component where the state update happens, but that's not how it works behind the scenes
Renders are not triggered immediately, but scheduled for when the JS engine has some "free time". There is also batching of multiple setState calls in event handlers

React

Do you find it helpful?

Let me know down in the comments



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