

Virtual

DOM

in

React

**React's
strategy to
compute
minimal DOM
operations
when re-
rendering the
UI.**

What is DOM?

Document Object Model

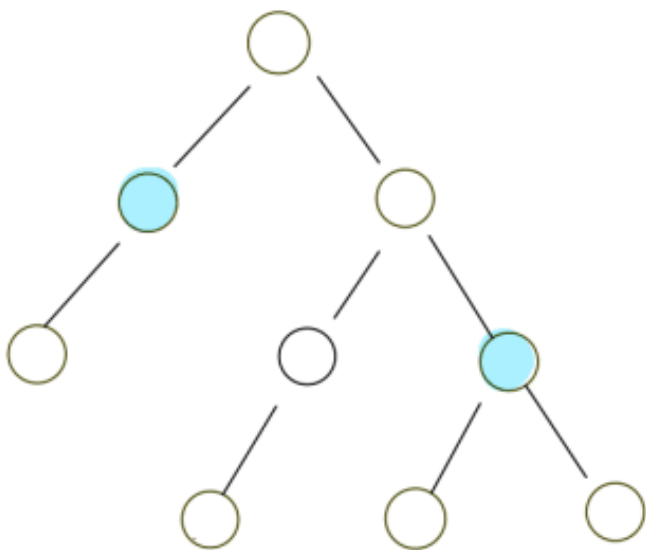
An interface that treats an XML or HTML document as a tree structure wherein each node is an object representing a part of the document.

The DOM represents a document with a logical tree.

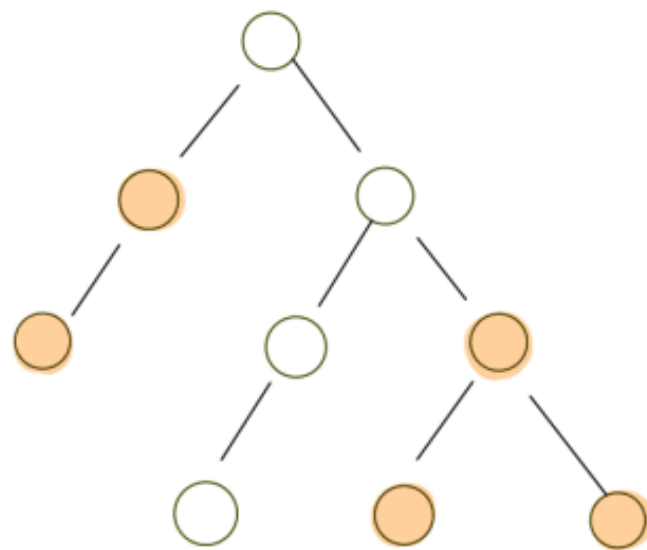
then, What is Virtual Doc

Virtual DOM is just a copy of the original DOM kept in the memory and synced with the real DOM by libraries such as React DOM. This process is called Reconciliation.

The virtual DOM compares the new version with the previous version and figures out the difference.



The real DOM only changed the different points.



Behind the Scene...

What happens when you try to update the DOM in React

The entire virtual DOM gets updated.

The virtual DOM gets compared to what it looked like before you updated it.

React figures out which objects have changed.

The changed objects, and the changed objects only, get updated on the real DOM.

Changes on the real DOM cause the screen to change.