React Virtual DOM

React uses the Virtual DOM (VDOM), an abstraction of the HTML DOM, to efficiently update the user interface. React calculates the minimal amount of DOM modifications required when a component's state changes by first creating a new virtual tree (representing the modified UI) and comparing it to the prior virtual tree. Due to fewer DOM changes as a result, updates are quicker and less expensive than if the complete DOM tree were updated. React can refresh the UI in an effective and efficient manner thanks to the VDOM, which improves performance.