1. **Triggering Renders:**

* State updates or the initial application run trigger renders.
* React calls the component functions, creating updated React elements forming the virtual DOM.

1. **Virtual DOM:**

* The virtual DOM is a tree of React elements created from component instances.
* React uses the virtual DOM for efficiency, as writing to the actual DOM is slow.

**Rendering Components:**

* React calls component functions, updating React elements and creating a new virtual DOM.
* When a component re-renders, all its child components re-render, regardless of prop changes.

1. **Reconciliation**

