

Agenda

- 1) class Based components
- 2) Lifecycle of components
- 3) Comparison of fn vs class based
- 4) HOC's
- 5) Virtual DOM

Class Based Components

Stateless



class

functional

Stateful



class based

Problems

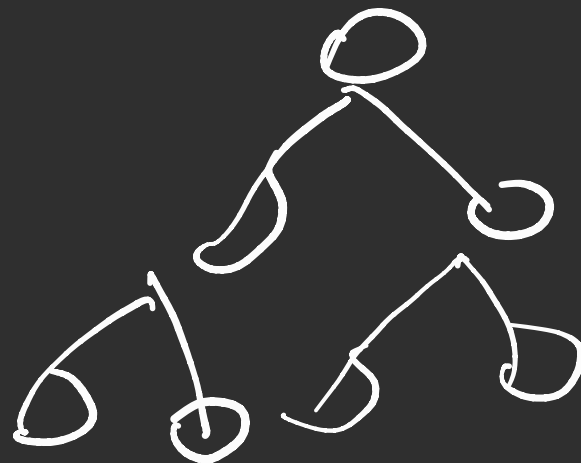
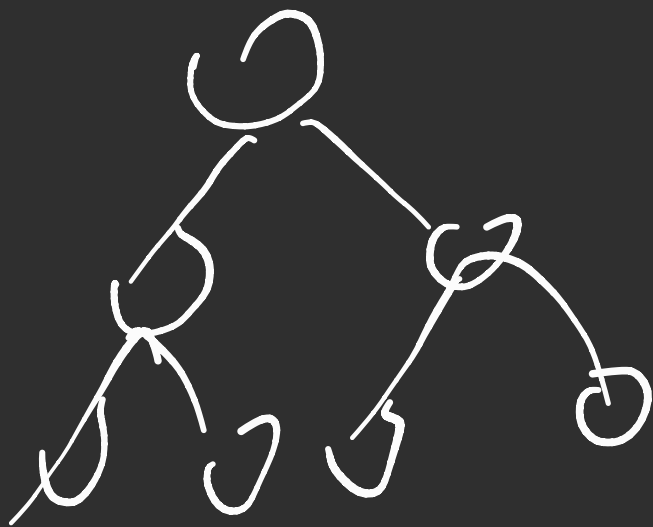
- ① machines
- ② Developers

Hooks

HOC's

(HOF)

virtual DOM



Browser DOM (DOM)

JS object (document)



```
graph TD; A["Browser DOM (DOM)"] --> B["JS object (document)"]; B --> C["Virtual DOM"];
```

Virtual DOM

$$\begin{matrix} v1 \\ \hline \hline \end{matrix} (x, y)$$

Reconciliation

Δ

Apply changes

$$\begin{matrix} v1' \\ \hline \hline \end{matrix} (x, y)$$



Awely wat hatch

Browser DOM