React notes

React → A javascript library for building user interfaces

HTML

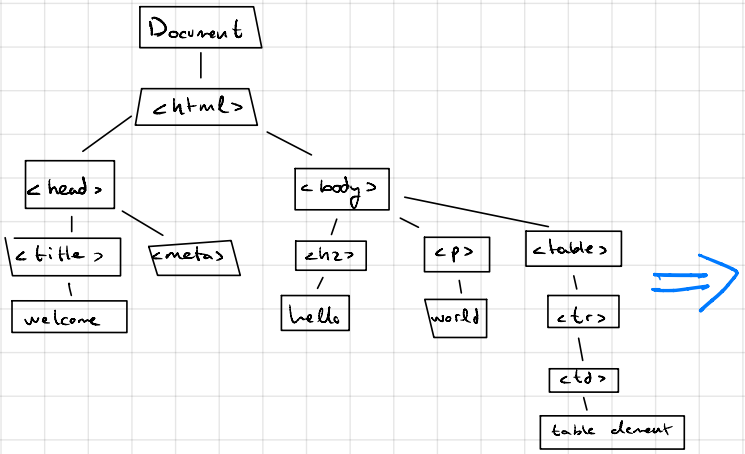
- Declarative for static content
- When element change whole HTML DOM is rendered. Update whole tree

VS

React

- Declarative for dynamic data
- When some element change virtual DOM render HTML tree from JS (in memory)

RDOM



- DOM manipulation is very expensive
- There is too much memory wastage
- it updates slow
- it can directly update HTML
- Creates a new DOM if the element updates
- it allows us to directly target any specific node (HTML element)
- it represents the ui of your app

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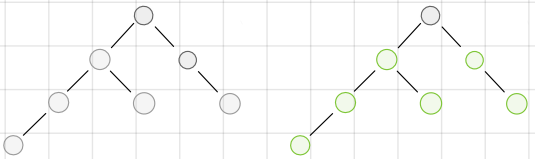
VDOM

VDOM is a programing concept where VDOM is kept in memory synced with RDOM by ReactDOM library. This process is called reconciliation.



- DOM manipulation is very easy
- No memory wastage
- it updates fast
- it can't directly update HTML
- Update the JSX if the element update
- it can produce ~ 200k VDOM nodes/sec
- it's a virtual representation