

Class132 = Date 07Feb2024

===== Component Life Cycle Hooks in ReactJS =====

FAQ: Can we access and use a function component in class component?

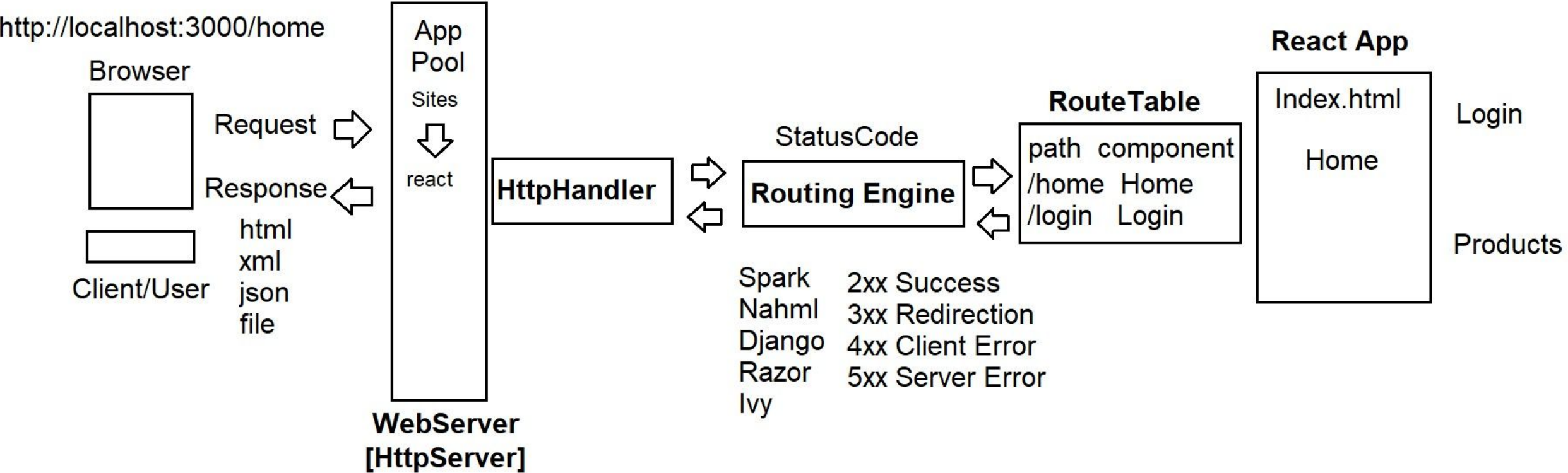
Ans: Yes. It is not directly accessed in class. It is from "render()" method.

Component Life Cycle Hooks

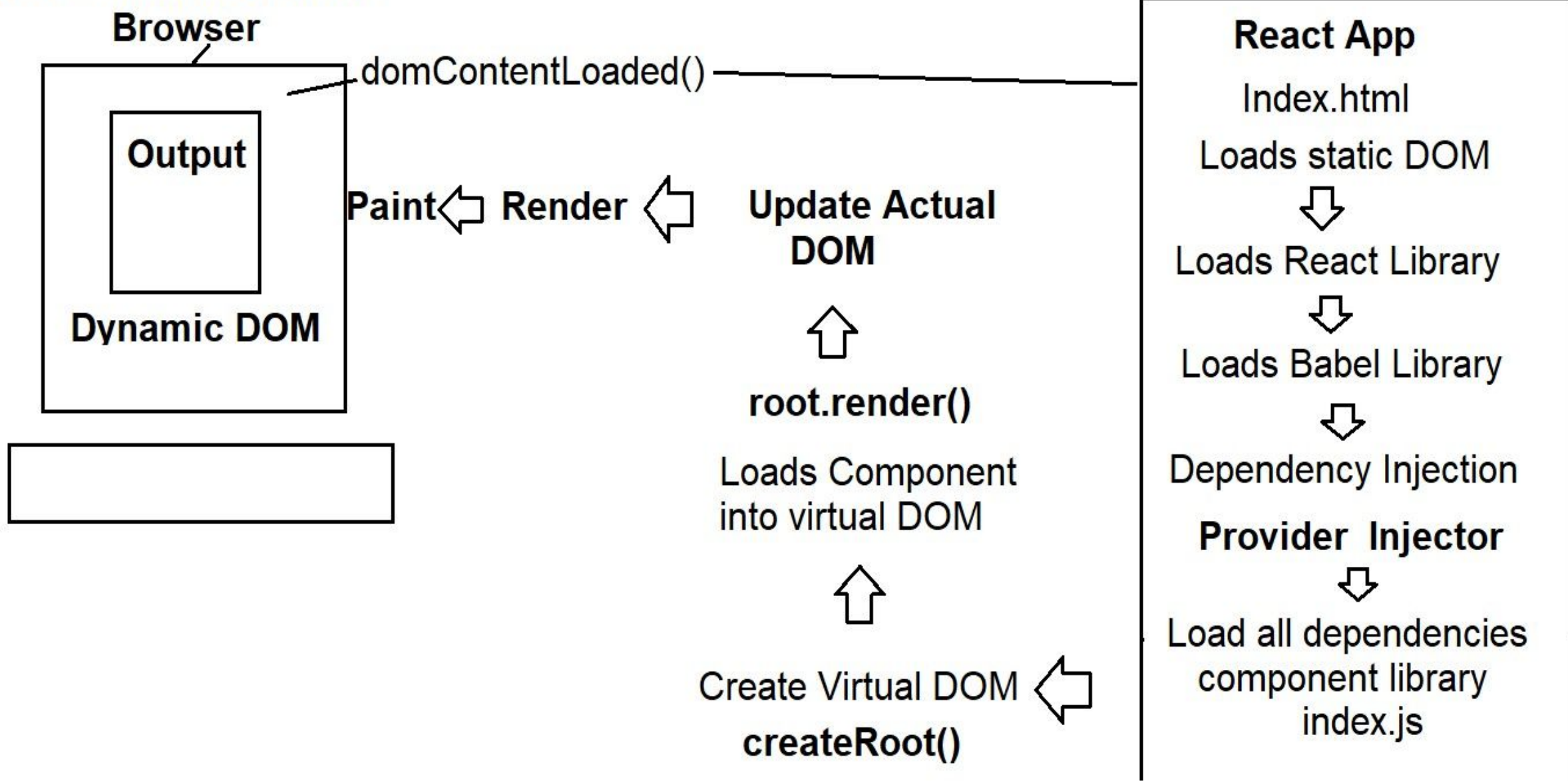
- Every component class have various phases from start to end.
- The time when you request a component initiates start of component and the time when you change to another component will end the component.
 - a) Mount
 - b) Update
 - c) Unmount

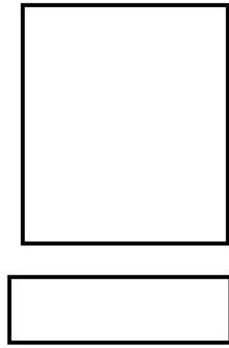
Routing

Http Processing Pipe line

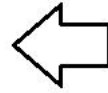


http://localhost:3000/home





Request



Response

Render

LoginComponent extends React.Component



`constructor(){}`

Creates Component Object



Memory Allocated for current component



Component uses Mount Phase

`componentWillMount()`
`componentDidMount()`

It defines actions to perform at the time of loading component.

- Assign values into state
- Connect with API's
- Reading data from API's
- Style Binding
- Class Binding
- Data Binding
- Events are Subscribed

Component Update Phase



`componentDidUpdate()`

- Events will fireup
- Identifies changes
- Updates the changes

Component Unmount Phase



`componentWillUnmount()`

- Events are unsubscribed
- Memory allocated for methods are cleaned up
- State values are set to Initial values
- Memory allocated for component is cleaned

"Render phase"

Pure and has no side effects. May be paused, aborted or restarted by React.

"Commit phase"

Can work with DOM, run side effects, schedule updates.

