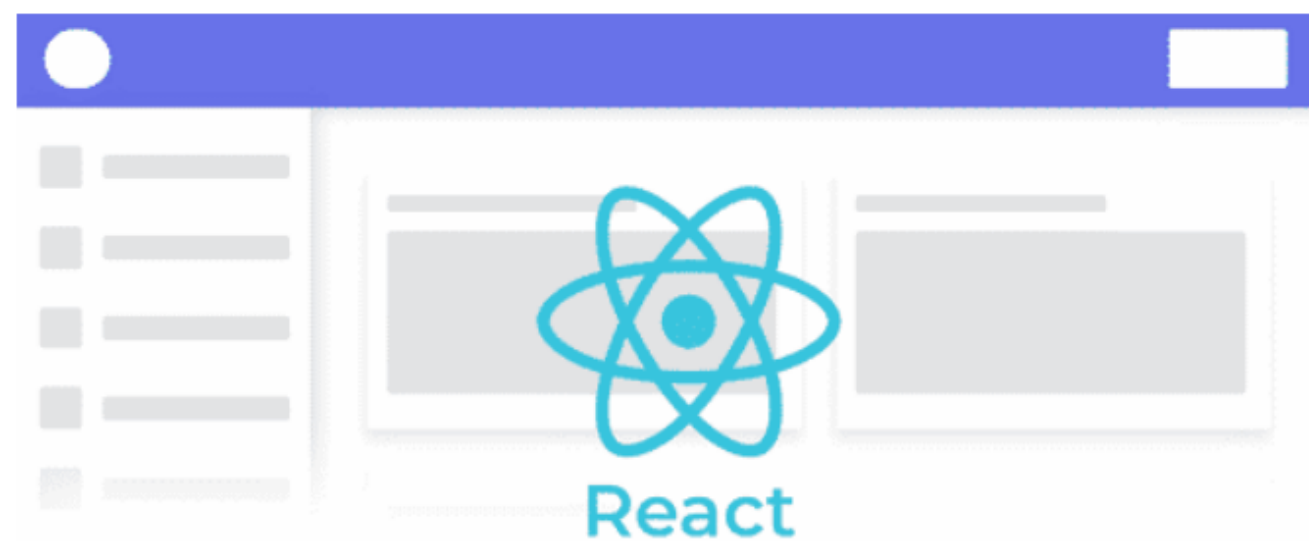


devtown



React

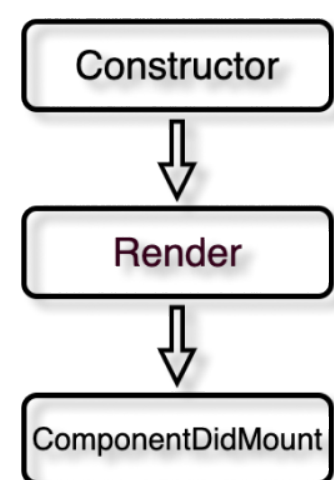
Component Life Cycle



Overview

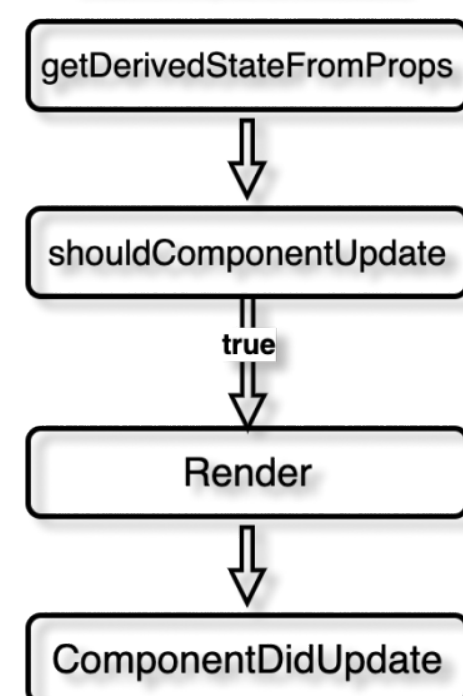
React lifecycle methods are the events or scenarios that happens while your component is rendered the for first time (birth) and discarded after it's use (death). By default this methods can't be used in functional components directly.

Mounting



Updating

For Props & States



UnMount



Constructor

```
constructor(props) {
  super(props);
  this.state = {
    name: "DevTown",
    isAuthenticated: true
  }
}
```

constructor is method that is executed as soon your components starts to render by react. Constructor executes first than any other method inside your react component.

Render

```
render() {
  return <h1>hello ${this.state.name}</h1>
}
```

Contents inside the render method will be rendered to the user.

Executed right after render method. It is called/invoked right after your component is mounted. `componentDidMount()` is best suited to make API calls and update the state.

Component Did Mount

```
getDerivedStateFromProps(props, state){
  // your logic
}
```

Executed everytime when there is a state or prop update and returns a boolean based on the prop or state changes.

Should Component Update

```
shouldComponentUpdate(nextProps, nextState){
  // your logic
}
```

Executed everytime when there is a state or prop update and returns a boolean based on the prop or state changes.

Component Did Update

```
componentDidUpdate(){
  // your logic
}
```

Component Will Unmount

```
componentWillUnmount(){
  // your logic
}
```

Executed immediately before a component is unmounted and destroyed. Perform any necessary *cleanup* in this method, such as *invalidating timers, canceling network requests, or cleaning up any subscriptions* that were created in `componentDidMount()`.