

# REACT TECHNICAL INTERVIEW QUESTIONS

## \* Features of React

- > React is a javascript library using for creating user interface.
- > React is a component based approach.
- > React is very useful in create single page application.
- > server side rendering is possible.

## 2) Components in React

### -> class component

- . it is very complex while comparing with functional component
- . statefull component
- . class component use life cycle methods
- . class component using this keyword.

### -> functional component

- . it is very easy and simple to understand while comparing with class component
- . stateless component
- . uses useEffect hook instead of life cycle methods
- . this keyword is not necessary to use

## React Hooks

- > React Functions.
- > All React Hooks begins with "use" keyword.
- > useState, useEffect, useContext,useNavigate,usePOarams are some commonly used react hooks.

### \*useState hooks

- . It is used to declare state variables in react.
- . useState hook has two parameters.
- . first parameter is Initial value.
- . second parameter is for updating the initial state.

### \*useEffect

- .useEffet hook works in page rendering, update the Dom.
- .useEffect hook has an dependency array.
- .if we give states inside the dependency array the useEffect will work according to updating the corresponding state

## \*usenavigate

- . useNavigate is using for route into another page.

## \* useContext hook

- . It is a state management hook.
- . It is used to share data with multiple components.
- . Wrap the components inside the <provider> tag.
- . We can avoid props drilling by using context.
- .

## Limitation of React

- . React is a library, not a frame work
- . jsx

- > React using jsx language.
- > jsx is combination of both javascript and html.
- > it is very simple to create user interface

## Can browser read jsx directly or not ?

- . Browser can read javascript objects only.
- . We can convert jsx into javascript objects by using compilers like 'babel'.
- . render in react.
- . render is used to return html element, which we want to dispaly a component.
- . in case of react, what we can used to update the state ?
- . we can update the state by using useState hook
- . in case of usestate , second parameter is updating function.
- . By using second parameter,we can update the state.

## . Arrow function in React

- . it is property of ES6 version in js.
- . it is easy to create function by using simpler and shorter syntax.

## . keys in react

- . key is an unique identifier.
- . we can give key to the element to identify which item have changed , updated or deleted.

. what the hook we can use in functional component to overcome lifecycle methods in class component?

. By using dependency array in useEffect hook , we can overcome the life cycle methods.

. what are purpose the fragment tags in react ?

. we can enclose multiple components by using <React.Fragment> tag .

. React routerdom

. it is standard React routing library. we can implement react router by using react router dom npm package.

. we can use BrowserRouter, Routes ,Route contents for this.

. Rules to follow in react hooks?

. it need to be declare at the top side of the functional component.

. Error Boundary

. it is used to find out the errors during render phase.

. Redux

. it is a state management library

. it has 3 components.

. Action, reducer and store.

action ->

what to be happen.

reducer->

how to be happen.

what we get it from reducer is the finalstate, finalstate will be stored in store component and we can use this by using useSelector hook in components.

. Advantages of redux

. error finding is simple by redux developer tools.

. we can avoid props drilling by using redux.

. condition rendering in react

- .if else condition

- .Ternary operator

- . Can React hook replace redux or not ?

- . No. in case of large or complex project ,React hook is not sufficient. so React hook can't replace Redux.

- .website performance will be higher when using redux.

- . Difference b/w states and props

- . State

- . state holds the information about the component

- . we can change the state

- . Props

- . props stands for properties.

- . we can pass the data from one component to other component as argument by using props.

- . what hook we can use for pass data between siblings React router?

- . useParams