React Assessment Review

* What kind of library is React?
* What are the advantages of React?
* What is the Virtual DOM?
* What is JSX?
* What are functional components and how do you write one?
* What are class components and how do you write one?
* What is the difference between state and props?
* How do you properly use the map() function to display elements?
* How do you pass props? How do you access props from inside the component?
* How do you update state properly?
* What are the key elements in React Routing?
* How do you handle events in React (passing event handler, capturing input, managing state)?
* What are the life cycle methods of a component and which one do you use to make API calls which are “side effects”?
* What is Flux? What is Redux?
* What are Redux actions, reducers, and action creators? How do you write them?
* How do you create a Redux store?
* How do you pass your store to your app?
* How do you connect a component to the store?
* When does dispatch happen?
* Using react-actions, how do you create your reducer property? What function do you use?
* What testing library comes with create-react-app?
* How do you mock a store in testing?
* How do you spy on a function in testing?