Your question to answer:

1. What is React’s virtual DOM and why is it used? How does the diffing algorithm work?

Answer to the question you are asking:

1. Describe the Redux cycle. How does it work, and how does it connect to the backend?

See diagram [here](https://raw.githubusercontent.com/pluralsight/guides/master/images/79263077-e972-47c6-93dc-44e466a8e191.gif).

Redux is a node package that facilitates a particular implementation of Flux. Redux abides by three principles:

1. Single Source of Truth: The entire state of the application is stored in a single JavaScript object in a single store. This object is commonly referred to as a “state tree” because its values often contain or are objects themselves.
2. State is Read-Only: The only way to change the state is to dispatch an action. This principle ensures that our Redux loop is never short-circuited and change of state remains single-threaded.
3. Only Pure Functions Change State: Pure functions known as “reducers” receive the previous state and an action and return the next state. They return new state objects instead of mutating previous state. Read [more](https://medium.com/javascript-scene/master-the-javascript-interview-what-is-a-pure-function-d1c076bec976#.lfv7bgqco) about what makes a function pure.

(A great response would include both a diagram and an explanation of the key concepts)

Redux - comes from flux, but not flux

State manger

Boxes and arrows

Why unidirectiona?

What do things do?l

What is the store?