Career Services Assignment 9 – ReactJS Flash Cards

Points possible: 50

Category	Criteria	% of Grade
Completeness	All requirements of the	100
	assignment are complete.	

Instructions: Research common ReactJS interview questions online and create 20 flash cards from the information you find. Study your flash cards regularly to better prepare for interviews. Fill out the table below with the information you put on each of your flash cards.

Front of Card	Back of Card	
What is React?	React is an open-source front-end JavaScript	
	library that is used for building user	
	interfaces, especially for single-page	
	applications	
What are the major features of React?	It uses a VirtualDOM instead of RealDOM	
	reducing costs, it supports server-side	
	rendering. It follows unidirectional data flow	
	or data binding and can use	
	reusable/composable UI components to	
	develop the view.	
What is JSX?	JSX is a XML-like syntax used to create	
	javascript and html components while using	
	react to create single page applications.	
What is the difference between Element and	An Element is a plain object	
Component?	describing what you want to appear on the	
•	screen in terms of the DOM nodes or other	
	components. Elements can contain other	
	Elements in their props. Once creates it	
	cannot be directly changed. A Component is a	
	declared class of functional object which uses	
	the props to return the	
How to create components in React?	Components can be created 2 ways, via	
1	function components which are a simple	
	function which takes in prop data objects and	
	return react elements. The other is a class	
	component which require a few more steps to	
	return react components.	
	r	
	1	

When to use a Class Component over a	React 16.8 creates the functionality of hooks
Function Component?	which make both fairly similar in us16.8eage.
runction component:	Older versions will require class components
Will all and a second	be used for lifecycle and states
What is state in React?	State of a component is an object that holds
	some information that may change over the
	lifetime of the component
What are props in React?	Props are inputs to components. They provide
	the data which are used to render the page
	information.
Why should we not update the state directly?	It will not re-render the component. It should
	be done in using a setState method which will
	force a re-render.
What is the purpose of callback function as an	The callback function is invoked when
argument of setState()?	setState finished and the component gets
argument of setstate():	· · ·
What are symphotic execute in Deceto	rendered.
What are synthetic events in React?	SyntheticEvent is a cross-browser wrapper
	around the browser's native event. Its API is
	same as the browser's native event, including
	stopPropagation() and preventDefault(),
	except the events work identically across all
	browsers.
What are inline conditional expressions?	They are either if statements or ternary
	expressions which are available from JS to
	conditionally render expressions.
What is "key" prop and what is the benefit of	A key is a unique identifier used in the lowest
using it in arrays of elements?	level of components and are used by react to
	identify which components are changed.
What is the use of refs?	Refs are created using either the
What is the use of fels.	React.createRef() method and attached to
	React elements via the ref attribute or you can
	also use ref callbacks approach regardless of
What is Vietus I DOM9	React version.
What is Virtual DOM?	The Virtual DOM (VDOM) is an in-memory
H. H. IDOM 1.0	representation of Real DOM.
How Virtual DOM works?	Whenever any underlying data changes, the
	entire UI is re-rendered in Virtual DOM
	representation. Then the difference between
	the previous DOM representation and the new
	one is calculated. Once the calculations are
	done, the real DOM will be updated with only
	the things that have actually changed.

What is the difference between Shadow DOM and Virtual DOM?	The Shadow DOM is a browser technology designed primarily for scoping variables and CSS in web components. The Virtual DOM is a concept implemented by libraries in JavaScript on top of browser APIs.
What are controlled components?	A component that controls the input elements within the forms on subsequent user input is called Controlled Component, i.e, every state mutation will have an associated handler function.
What are uncontrolled components?	The Uncontrolled Components are the ones that store their own state internally, and you query the DOM using a ref to find its current value when you need it. This is a bit more like traditional HTML.
What are the different phases of component lifecycle?	Mounting: The component is ready to mount in the browser DOM. Updating: In this phase, the component gets updated in two ways, sending the new props and updating the state either from setState() or forceUpdate(). Unmounting: In this last phase, the component is not needed and gets unmounted from the browser DOM.