1.	When using a key for your list items, what's the best general choice?	1 / 1 ponto
	Using an ID generated by a library that guarantees no duplications.	
	Using an ID coming from the data, that points to the database ID.	
	Using an index.	
	○ Correto That's correct, that's the preferred option.	
2.	Imagine you have a specification for rendering the following list item:	1 / 1 ponto
		
	{li>{Ice cream - 200 {item.cal}}	
	<pre></pre> <pre><pre></pre><pre></pre><pre></pre><pre></pre><pre></pre><pre><!--</td--><td></td></pre></pre>	
	© Correto That's correct, that would render the desired output using JSX syntax.	
	<pre></pre>	
	 Correto That's correct, that would render the desired output using JSX syntax and string interpolation. 	
3.	Let's suppose you have a list of two items and a new item is added to the list. From the point of view of the React diffing algorithm, what's the most	1 / 1 ponto
	optimal position for the new element added? Select all that apply	·
	The new element added at the beginning.	
	The new element added in the 2nd position, in between the existing list items.	
	The new element added at the end.	
	Correto That's correct, that's the most optimal path.	
4.	What are controlled components?	1 / 1 ponto
	A set of components whose internal state is controlled by the DOM.	
	A set of components whose internal state is controlled by React.	
	A set of components whose value is determined by React refs.	
	Correto That's correct, state is delegated from the DOM to React local state.	
5.	What are the features you can still achieve with uncontrolled components? Select all that apply	1 / 1 ponto
	One time value retrieval on submit using a React ref.	
	Correto That's correct, the ref allows you to access the internal state held by the DOM.	
	✓ Validation on submit.	
	 Correto That's correct, in the submit handler function you can use refs to access all the input values and perform any custom client validation. 	

6.	When creating an API for context consumers via useContext, what's the argument you have to provide to the useContext call?	1 / 1 ponto
	The Context.Provider component.	
	The Context object obtained via the createContext call.	
	The React state that defines the global state to be injected.	
	○ Correto That's correct, you always have to pass a context object as argument to the useContext hook.	
7.	Imagine the below component structure, where all components ComponentA, ComponentB and ComponentC are simple presentational components that hold no props or state:	1 / 1 ponto
	<pre>const App = () => { return(</pre>	
	<pre>10 const ComponentB = () => <componentc></componentc>; 11 const ComponentC = () => null;</pre>	
	If the App component re-rendered for whatever reason, what would be the sequence of component re-renders that would take place?	
	App -> ComponentA -> ComponentB -> ComponentC.	
	O App -> ComponentB -> ComponentC	
	App	
	○ Correto ○ That's correct, since ComponentA is wrapped with React.memo, it will prevent unnecessary updates within itself and down the tree, so only the App component would update.	
3.	Even though props and state are inherently different, what are areas where they overlap? Select all that apply.	1 / 1 ponto
	✓ Both props and state are plain JS objects.	
	○ Correto That's correct, they are both plain JS objects.	
	✓ Both props and state changes trigger a render update.	
	 Correto That's correct, as soon as one or the other update, it will trigger a re-render. 	
	☑ Both props and state are deterministic, meaning that your component always generates the same output for the same combination of props and state.	
	 Correto That's correct, React components are pure functions when it comes to their rendering output. 	
).	When defining a JavaScript object as a piece of local React state that will be injected as context, what is the specific React hook that allows you to keep the same object reference in memory and prevent unnecessary re-renders if the object itself hasn't changed any values?	1 / 1 ponto
	O useCallback	
	① useMemo	
	O useRef	
	○ Correto ○ That's correct, useMemo keeps in memory the previous object reference and if no changes occur in the object values, it will reuse the same reference on subsequent updates.	

Conditionally disabling the submit button.

✓ The application theme.
Correto That's correct, the theme is one example of global application state.
✓ Locale preferences.
 Correto That's correct, local preferences is one example of global application state.
The current authenticated user.
Correto That's correct, authenticated user is one example of global application state.
☐ The value of a text input.

10. What are some possible examples of application features that are well suited to be defined as React context? Select all that apply

1 / 1 ponto