React Interview Question

1. What is the difference between Virtual DOM and Real DOM?

Virtual DOM	Real DOM
Changes can be made easily	Changes can be expensive
Minimal memory wastage	High demand for memory and more wastage
JSX element is updated if the element exists	Creates a new DOM every time an element gets updated
Cannot update HTML directly	Able to directly manipulate HTML
Faster updates	Slow updates

2. What is React?

React is a widely used JavaScript library that was launched in 2011. It was created by developers at Facebook, and it is primarily used for frontend development. React uses the component-based approach, which ensures to help you build components that possess high reusability.

React is well known for developing and designing complex mobile user interfaces and web applications.

3. What is the meaning of Virtual DOM?

A virtual DOM is a simple JavaScript object that is the exact copy of the corresponding real DOM. It can be considered as a node tree that consists of elements, their attributes, and other properties. Using the render function in React, it creates a node tree and updates it based on the changes that occur in the data model. These changes are usually triggered by users or the actions caused by the system.

Next up among these React interview questions, you need to take a look at some of the important features that React offers.

4. What are some of the important features of React?

React has multiple features that are used for unique purposes. The important ones are as mentioned below:

- React makes use of a single-direction data flow model.
- It deals with complete server-side data processing and handling.
- React uses Virtual DOM that has many advantages of its own.

5. What is the meaning of JSX?

JSX is the abbreviation of JavaScript XML. It is a file that is used in React to bring out the essence of JavaScript to React and use it for its advantages.

It even includes bringing out HTML and the easy syntax of JavaScript. This ensures that the resulting HTML file will have high readability, thereby relatively increasing the performance of the application.

Consider the following example of a JSX:

```
render(){

return(

<div>

<h1> Hello learners!</h1>

</div>

);

}
```

6. Can browsers read a JSX file?

No, browsers cannot read JSX files directly. It can only read the objects provided by JavaScript. Now, to make a browser read a JSX file, it has to be transformed to a JavaScript object using JSX transformers, and only then it can be fed into the browser for further use in the pipeline.

7. Why is React widely used today?

React provides users with an ample number of advantages when building an application. Some of them are as follows:

● With React, UI testing becomes very easy.

- React can integrate with Angular and other frameworks easily.
- The high readability index ensures easy understanding.
- React can be used for both client-side and server-side requirements.
- It boosts application performance and overall efficiency.

8. Are there any disadvantages to using React?

There are some limitations when using React as mentioned below:

- Writing code is complicated as it uses JSX and inline template formatting.
- Beginners might find it tough to cope with its syntaxes and methods.
- The library contains a huge repository of information, which might be overwhelming.
- React is a simple library and not a complete framework hence calls for dependencies.

9. Differentiate between Angular and React.

Comparison Factor	Angular	React
Created by	Google	Facebook
DOM	Real DOM	Virtual DOM
Render Support	Client-side	Server-side
Architecture	Full MVC support	Only the view aspect of MVC
Data Binding	Unidirectional binding	Two-way binding

10. What is the meaning of the component-based architecture of React?

In **React**, components are foundations used to build user interfaces for applications. With the component-based system in place, all of the individual entities become completely reusable and independent of each other. This means that
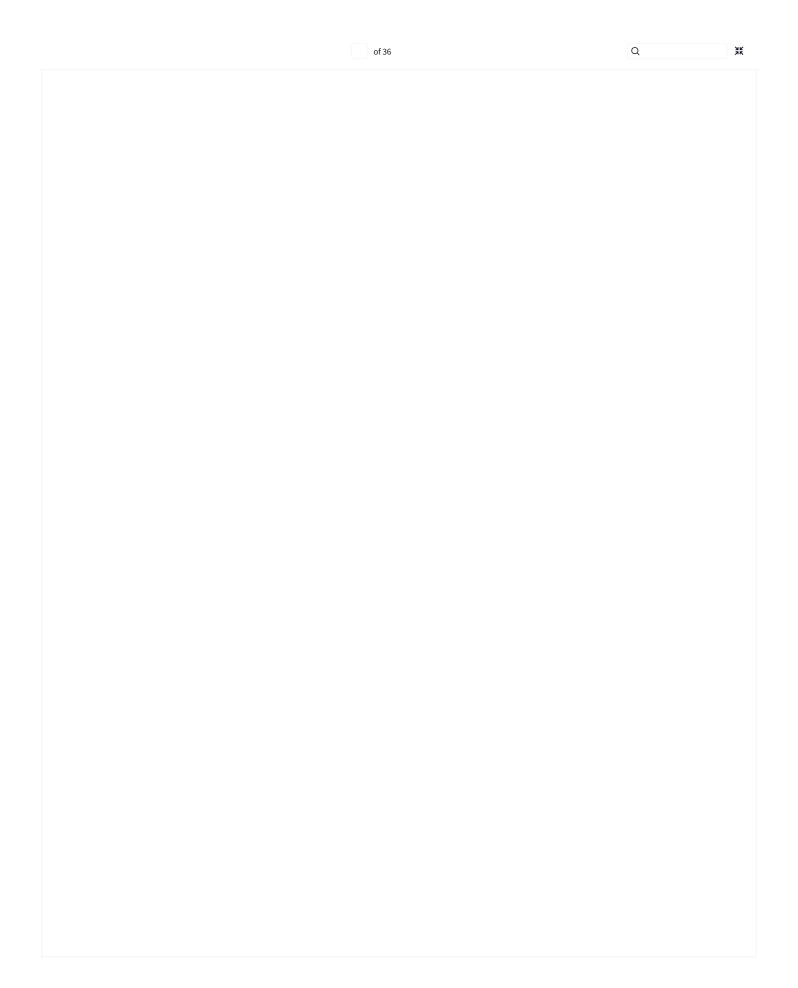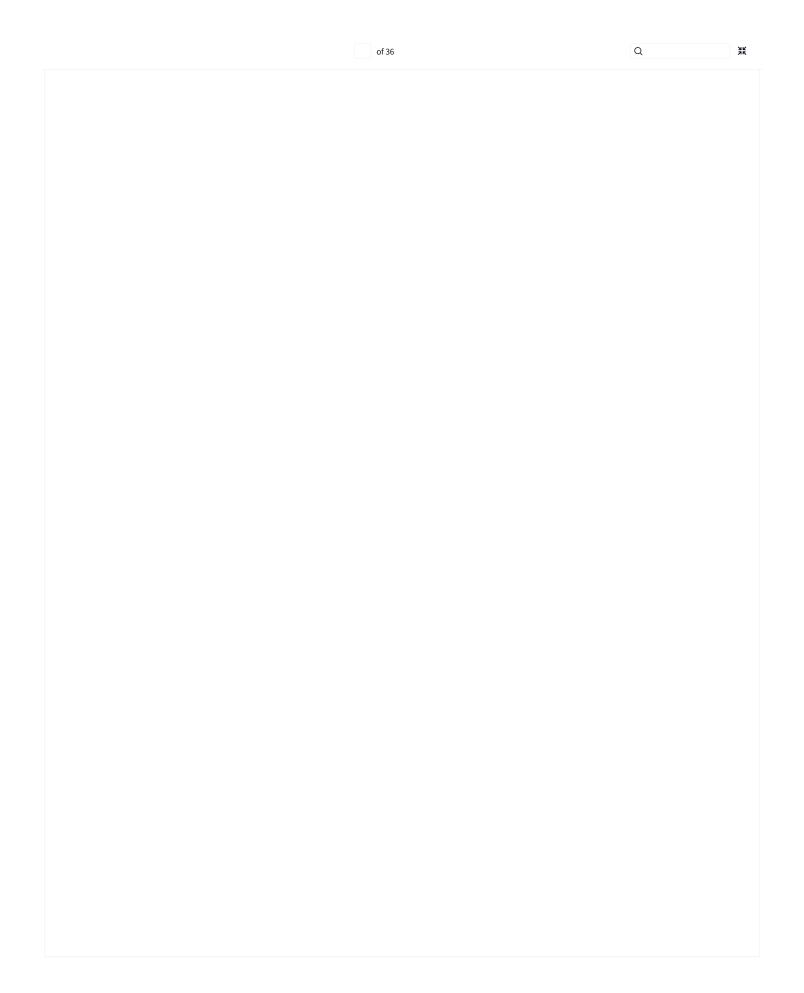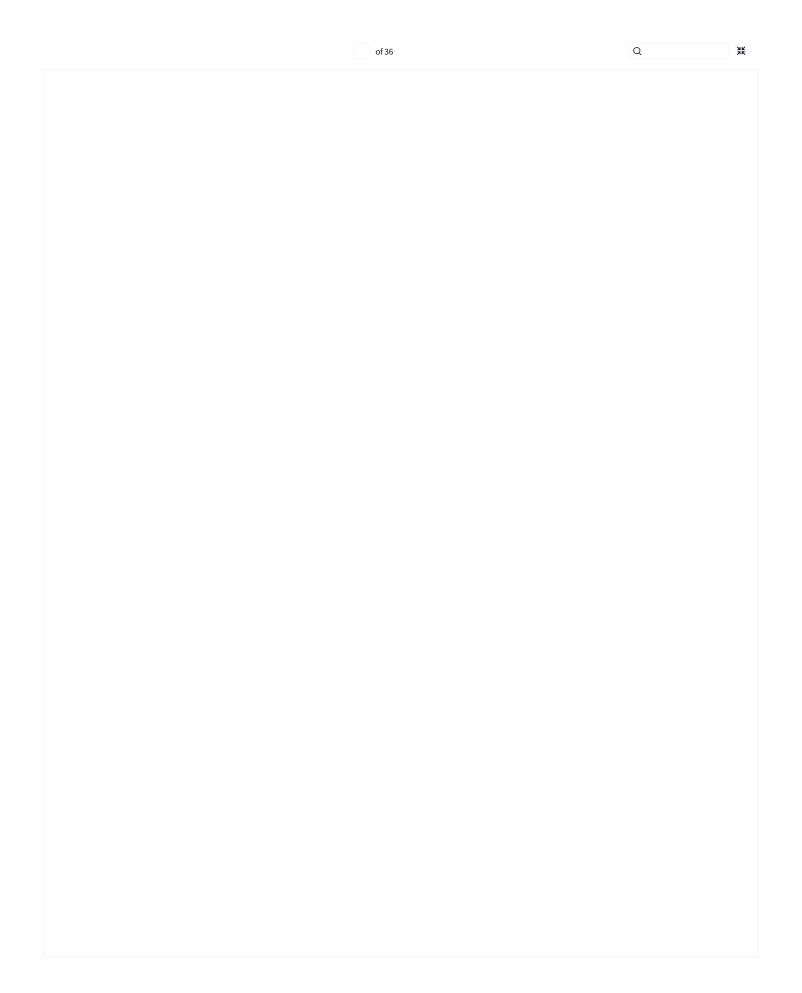
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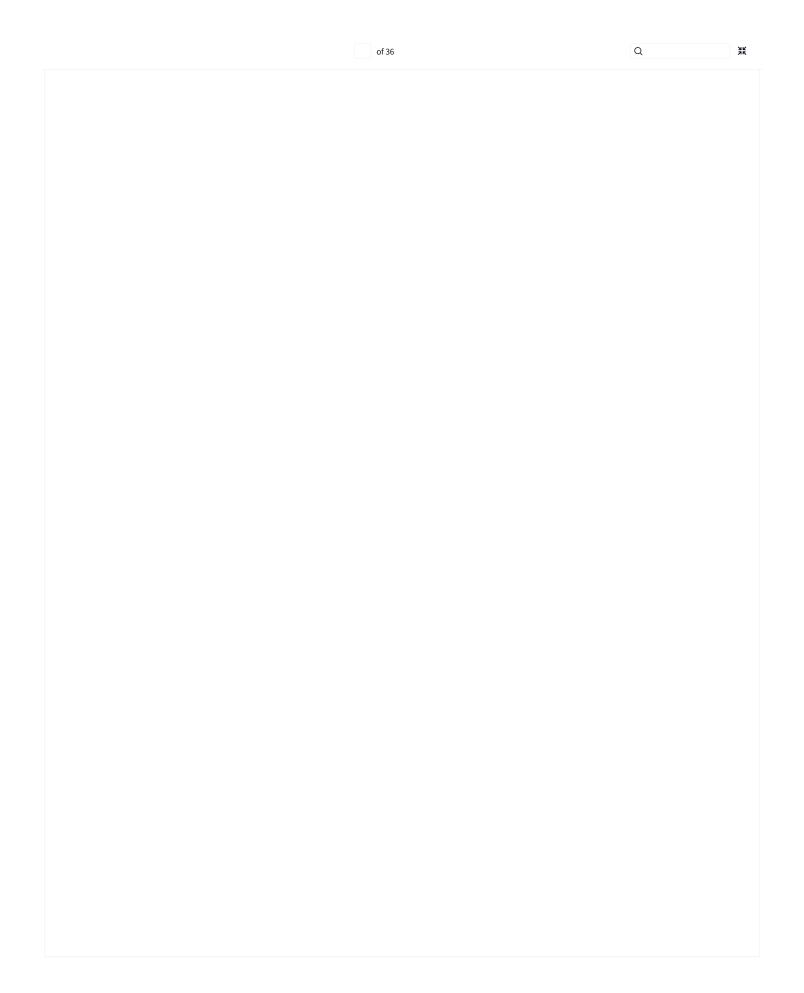https://www.scribd.com/document/585467119/React-Interview-Questio...

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