

Which of the following statements are correct regarding how navigation is implemented in React? Select all that apply.

- In React, the entire app is loaded inside a single div, you're not actually visiting different pages.
- Different views are rendered when React makes changes to the Virtual DOM, with React updating the real DOM accordingly.

True or False? You are building an app in React, and have written the following navigation link in your code:

```
<a href="/" className="nav-item">Contact Us!</a>
```

When the user clicks this link, the app will navigate to the 'Contact Us!' page.

False. Instead of navigating to the Contact Us page, a click on the anchor tag will refresh the page.

You are developing a clock app that displays an image of the sun when the time is 6 AM until 6 PM, and an image of the moon for the other hours. Your component code is written as follows:

```
function CurrentImage() {  
    const time = new Date().getHours();  
    return (  
        { hour >= 6 && hour <= 18 ? <Daytime /> : <Nighttime /> }  
    )  
}
```

Based on this code, what will be returned if the getHours function produces a value of 14?

Daytime. Because the hour value meets the conditions of the ternary operator, the expression after the question mark will be returned.

True or false: You can use JavaScript's logical AND operator in a React component's return statement to conditionally render some JSX elements based on whether a value to the right of the AND operator evaluates to true.

False. The logical AND operator is used to conditionally render some JSX elements based on whether a value to the LEFT of the AND operator evaluates to true.

You are developing a web-based clock app that allows the user to set alarms to go off at specific times. Which of the following assets are ideally stored in an Assets folder within the src folder of your project? Choose all that apply.

- An alarm sound that plays when the specified time is reached in your app
- An image of a clock that is displayed in the app
 - You should keep the sound file and image file in the Assets folder, as they will be used directly in your app components and are necessary for the app to work correctly.

In React, you can import an image as you would any other module.

True. You can import an image like you would any other module. To use it, just evaluate it as a JSX expression (that is, enclose it inside curly braces).

When looking for a third-party NPM package to use in the NPM package ecosystem, how would you determine if the package is suitable and the right one you need? Select all that apply.

- Check the frequency of updates
- Check the package's GitHub page
- Perform an internet search for the package name

When looking for an NPM package, check the frequency of the updates, the GitHub page of the package and search for the package name to ensure you find a package suitable to your needs.

True or false? When you render the React player in your app, you can add code that determines whether or not a video starts automatically when the page loads.

True. In addition to linking a video URL, you can alter settings such as automatic playback and starting volume for the React player.