

DWA_12 Knowledge Check

To complete this Knowledge Check, ensure you have worked through all the lessons in **Module 12: Declarative Abstractions**.

To prepare for your session with your coach, please answer the following questions. Then download this document as a PDF and include it in the repository with your code.

1. What are the benefits of direct DOM mutations over replacing HTML?

The benefits of direct DOM mutations over replacing HTML are improved performance and reduced re-rendering. Directly manipulating the DOM allows for targeted updates to specific elements without having to recreate the entire HTML structure.

2. What low-level noise do JavaScript frameworks abstract away?

JavaScript frameworks abstract away low-level noise such as manual event handling, DOM manipulation, and browser compatibility issues. They provide higher-level abstractions and APIs to simplify and streamline the development process.

3. What essence do JavaScript frameworks elevate?

JavaScript frameworks elevate the essence of building interactive and dynamic web applications. They provide tools and patterns to manage state, handle data flow, and create reusable components, enabling developers to focus on application logic rather than low-level details.

4. Very broadly speaking, how do most JS frameworks achieve abstraction?

Most JavaScript frameworks achieve abstraction by providing a layer of abstraction between the developer and the underlying complexities of the web platform. They typically offer declarative syntax, component-based architecture, virtual DOM diffing, and other techniques to simplify application development.

5. What is the most important part of learning a JS framework?

The most important part of learning a JavaScript framework is understanding its core concepts and principles. This includes learning how to manage state, handle data flow, and create reusable components. It's also crucial to familiarize yourself with the framework's documentation, ecosystem, and best practices to effectively leverage its features and capabilities.