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.

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

Direct DOM mutations are faster since they only modify specific parts of the webpage instead of replacing the entire page, which allows for more efficient updates and better overall performance. Secondly, direct DOM mutations provide precise control over what changes on the webpage, thus manipulating specific elements as needed. Lastly, direct DOM mutations enable updating specific parts of the page without the need to reload the entire webpage, resulting in real-time updates and a smoother user experience.

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

JavaScript frameworks handle the differences and inconsistencies across various web browsers, allowing developers to write code that works consistently across platforms.

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3. What essence do JavaScript frameworks elevate?

JavaScript frameworks provide a set of libraries, and abstractions that enable developers to work more efficiently. They offer reusable components, modular, which allows developers to build applications with less code

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

Many JS frameworks,component-based architecture. Components encapsulate a specific functionality or UI element and can be composed together to build complex applications

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

A strong foundation in JavaScript for effectively learning and utilizing a JS framework. Ensure you have a solid understanding of JavaScript concepts like variables, functions, objects, arrays, and the DOM (Document Object Model). Understanding the Core Concepts by grasping the fundamental concepts and principles of the framework. includes learning about its architecture, data binding, component-based development, state management, routing, and other key features. Gain a solid understanding of how the framework works and its underlying principles.