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 allow you to make specific changes to the DOM without having to recreate or replace entire HTML elements.

-Also, you can create applications that are customizable by the user and then change the layout of the page without a refresh.

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2. What low-level noise do JavaScript frameworks abstract away?
-JavaScript frameworks abstract away the complexities of handling browser events and managing event listeners across different browsers.

-JavaScript frameworks abstract away browser-specific APIs and inconsistencies.

-They provide higher-level abstractions.
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3. What essence do JavaScript frameworks elevate?
-They provide best abstractions that simplify complex tasks.

-They promote separation of concerns, allowing developers to focus on building isolated and reusable components that encapsulate both UI and logic.

-Frameworks enable better organization and maintainability of code by structuring applications into modular components.

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4. Very broadly speaking, how do most JS frameworks achieve abstraction?
-They introduce their own abstractions

-Many frameworks use a virtual DOM abstraction that acts as an intermediary between the actual DOM and the application's state.
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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, principles, and patterns.

-JavaScript frameworks evolve over time, so it's important to stay updated with the latest releases, features, and best practices.

-Stay updated with the framework's documentation, releases, and best practices to ensure you're utilizing the latest features and techniques.