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?

Performance boost

Efficiency - Because it's much better and fast to update a single part of your web page rather than reloading the whole DOM and potentially filling the local storage depending on the size of the page and the memory it consumes on the device being loaded on.

Compatibility - Some frameworks don't take too kindly to so many reloads as the would cause bugs or loss of input data collected or entered by users.

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

Imperative updating of the DOM, keeping track of what elements need to change

DOM Manipulation: JavaScript frameworks handle the complexities of directly manipulating the Document Object Model (DOM). This includes tasks like creating, updating, and removing DOM elements, which can be error-prone and tedious when done manually

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3. What essence do JavaScript frameworks elevate?

Community Standards: Frameworks often establish community-driven standards and conventions, helping developers adhere to best practices and produce high-quality code.

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4. Very broadly speaking, how do most JS frameworks achieve abstraction?
They hide away the imperative DOM mutations and allow users and the computer to access every single component of the application with ease and no lagging and improved speeds.

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

Understanding the basic core of the framework you are using to be able to debug or have a sense of idea of what you say or ask someone relating to the error or method you are trying to implement.