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 provide a speed boost, making your web pages faster and more responsive. When you change things on a webpage, like updating a score in a game or refreshing a chat message, direct DOM mutations let you do it quickly. This means a smoother experience for users because you only change what needs changing, rather than reloading the entire webpage, which can be slower. So, think of direct DOM mutations as turbocharging your web apps!

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2. What low-level noise do JavaScript frameworks abstract away?
   JavaScript frameworks abstract away imperative updating of the DOM and the need to keep track of what elements need to change.

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3. What essence do JavaScript frameworks elevate?
   JavaScript frameworks elevate structured and organized code, component-based development, data-driven UI, and developer productivity.

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4. Very broadly speaking, how do most JS frameworks achieve abstraction?
   Most JS frameworks achieve abstraction by hiding away the imperative DOM mutations and providing a higher-level, declarative API for developers to work with.

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

The most important part of learning a JS framework is understanding its core concepts, hands-on practice, exploring documentation and resources, becoming proficient in debugging and troubleshooting, optimizing for performance, and staying up-to-date with the latest developments.