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?

Your page will load a lot faster because instead of updating the entire page, it only changes the part that itself had a change made to it.
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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.

They take away all the 'how' and just keep the 'what'. Instead of having long lines of code distracting you, you can put those abstractions somewhere else and just call the functions for example that will render what you want without the noise. They keep your code cleaner.
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3. What essence do JavaScript frameworks elevate?

They elevate what you are trying to do by being clearer and more concise. They give you structure in your code that defines the entire app that you're working on. They provide a skeleton of support.
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4. Very broadly speaking, how do most JS frameworks achieve abstraction?

They hide away the imperative DOM mutations- they hide the "noise" and just give you exactly what you need.
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5. What is the most important part of learning a JS framework?

Knowing the basic components of JavaScript itself so that when something goes wrong in your framework, you know how to start debugging it. Also knowing how it manages state is important so that you know how to handle it yourself as well.