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.

Directly mutating the DOM ensures a higher performance than replacing the HTML, which would slow down performance, since replacing the HTML would also require to replace event-listeners every time.

Direct DOM mutation makes changes to the required element(s) only unlike replacing HTML which replaces all html even for the slightest changes.

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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.

- Frameworks abstract the use of document query selectors is abstracted by frameworks.
- Frameworks abstract mutations.
- Frameworks abstract away the DOM.

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3. What essence do JavaScript frameworks elevate?

JavaScript frameworks elevate the essence of abstractions and how by using abstractions you can build very powerful apps.

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4. Very broadly speaking, how do most JS frameworks achieve abstraction?
They hide away the imperative DOM mutations.

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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 what it abstracts and how it works, in order to know which framework is suited for which project.