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 - we don't need to render the entire html over and over again when or state changes and this results in higher performance as we are not replacing the entire html but parts of the DOM

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2. What low-level noise do JavaScript frameworks abstract away?
   - The DOM manipulation complexities
   - Cross platform compatibility issues
   - Handling event listeners and register/deregister events

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3. What essence do JavaScript frameworks elevate?

From what i understand frameworks they elevate the use of abstractions and managing complexity and not worry about low level noise

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4. Very broadly speaking, how do most JS frameworks achieve abstraction?

I think they achieve abstraction by breaking up very complex concepts and code it really small and suitable parts and then use composition to compose large code thats easy to decouple and we can deal with are more efficient in our development, they achieve this by OOP programming and/or functional programming.

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5. What is the most important part of learning a JS framework?
- One need to learn and know what problem does the framework try to solve because without knowing what the framework tries to achieve you might end up using unsuitable frameworks for unsuitable projects - as you don't have the insight of the inner workings of the framework
- Learning what the particular framework abstract because without that knowledge you are going to have a hard time debugging your project when cracks start to show.