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 can be targeted towards a specific element so that changes need not be applied by replacing the entire HTML. This is good because it improves performance. Additionally, loading elements will not affect accessibility because focus will not be redirected.

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

They act as an abstraction so that you do not have to handle both the javascript and the logic that dictates how DOM elements are created and removed. For instance, the logic that handles when and where to apply event listeners and when to remove them.

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3. What essence do JavaScript frameworks elevate?

Frameworks make it so that the focus is on how the app state changes and not how those changes affect the DOM.

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

The UI is considered a function of the application state. That is, it's created using a function that takes in the state and converts into changes in the UI. This is different to what was done previously where the UI and state were considered independent.

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

Understanding the backbone of how that framework achieves its abstractions. This is important because you can then be able to figure out how to fix problems whenever they arise. Or, at least know where to look.