

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.

1. What are the benefits of direct DOM mutations over replacing HTML?

Direct Dom mutations are more efficient and organized than replacing HTML as you're modifying parts in the DOM as opposed to recreating and rendering the entire DOM tree when replacing HTML(Which is less efficient). You can selectively decide what you want to change with direct DOM mutations and have more control.

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

Frameworks abstracts away and provide in DOM manipulation, for example, abstractions and methods to simplify DOM manipulation through components and other methods. This helps with efficiency and complexities of rendering, updating and interaction with the DOM and replacing HTML.

3. What essence do JavaScript frameworks elevate?

They allow for a more efficient and structured way of building complex applications and abstract away complexity.

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

JS frameworks achieve abstraction by having an interlinked relationship between the state and the user interface that allows for when the state changes the UI will also update.

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

The most important part of the framework is having a good understanding of the architecture of the framework. That is, understand how it goes about abstracting and use concepts such as components, data flow, state management etc. Understanding that gives you a great launching pad to utilize the framework but also understanding what it does.