

# 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

Preserve the state of specific elements.

Event listeners attached to existing elements are not affected with direct DOM mutations, as compared to when you replace HTML elements, you may need to attach event listeners to new elements.

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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 offer component-based architectures, simplifying the creation and reuse of user-interface components.

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## 3. What essence do JavaScript frameworks elevate?

Developer productivity

Frameworks abstract away low-level noise which simplifies the development process, this allows developers to focus more on application logic than dealing with technical details.

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

They hide away the imperative DOM mutations

They abstract the management of the application state by providing a centralized data store and a clear pattern for updating and accessing data.

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

Understanding the architecture of the framework and how it organizes code, this includes learning about components, how they work, how to create them and how to use them.

Also, understand the data binding mechanism used by the framework.