

# 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?

Better performance

Avoids the loss of focus

Elements are preserved as well as event listeners

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

Directly modifying the DOM imperatively and monitoring which elements require modification.

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3. What essence do JavaScript frameworks elevate?

JavaScript frameworks elevate the abstraction level in web development. The essence that JavaScript frameworks elevate is often associated with moving towards a more declarative programming paradigm, where the focus is on specifying the outcome wanted rather than describing step-by-step procedures for achieving it.

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4. Very broadly speaking, how do most JS frameworks achieve abstraction? JavaScript frameworks achieve abstraction by providing higher-level interfaces and tools. They remove the necessity of directly manipulating the DOM imperatively.

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

Understanding how they work, what happens in the abstraction of JS frameworks. This is important so that you know how to use frameworks, when to avoid frameworks, and which frameworks to use. They also help in debugging problems that came about from abstracted code.