

# 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 because mutating the DOM directly updates the document in the browser in real time whereas replacing HTML requires the entire page to reload.

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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. Frameworks also abstract the underlying code that make up reusable components.

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3. What essence do JavaScript frameworks elevate?

JavaScript frameworks provide a set of prewritten code so that developers don't need to start their projects from scratch and they provide general-purpose components and libraries to perform specific tasks.

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

They hide away the imperative DOM mutations. Frameworks provide a convenient toolbox for abstracting away repetitive tasks and boilerplate that is common to the majority of projects.

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

Understanding the underlying abstractions created by a JavaScript framework will allow a deeper understanding of the framework itself and enable a developer to identify and correct certain errors that require that level of understanding therefore learning the fundamentals of JavaScript before moving on to a framework is the most important part of learning a JavaScript framework.