

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?

- It has less code to mutate meaning the performance of the webapp would be better or improve rendering speeds when anything on the page needs to be updated.

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

- Event handling, makes it so you wouldn't need to write low-level code for buttons, clicks and submits and focus on the main code instead.
- DOM, JavaScript frameworks provide a higher-level interface for manipulating the Document Object Model (DOM) of a web page. This allows developers to focus on the application logic rather than the details of the DOM.
- Makes it easy to write code that is cross browser compatible as the frameworks is responsible to let the code run on multiple browsers

3. What essence do JavaScript frameworks elevate?

- Makes it easier to write more scaleable, modifiable and readable code by developers by providing a set of tools to be used. Makes it easier to write code more readable to other devs.

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

- Through libraries and API's

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

-The most important part of learning a JavaScript framework is to understand its core concepts and APIs. This includes understanding the principles of data binding, module loading, routing, and state management, as well as the specific APIs and features provided by the framework.