

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.

DOM allows you to create, modify, style or delete elements without a page refresh. The scope of interactivity is limited with HTML.

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

JS frameworks abstract away different parts of user interfaces into components. It also abstracts the DOM away and provides tools for state management.

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

JS frameworks are used to build interactive and dynamic web applications. JS frameworks are used to elevate productivity and efficiency. JS frameworks provide pre-written code and reusable components for common functionalities such as state management which means developers don't have to write repetitive data. JS frameworks also abstract away low-level noise.

3. What essence do JavaScript frameworks elevate?

JS frameworks compartmentalize by abstracting the different parts of their user interfaces into components. All the code related to a given component can live in one file or a couple of specific files.

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

The most important part of learning a JS framework is to have an understanding of the core concepts in vanilla JS first. It will significantly aid in debugging when the application with framework implementation does not work.

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