

# 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?

Flexibility

Efficient updates

Integration

Performance boost

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

Event handling - Frameworks simplify event handling by easily attaching event listeners to handle events without having to worry about compatibility issues across different browsers.

State management - Frameworks abstract away the complexity of managing application state across components or modules.

Routing - Frameworks handle the complexities of managing different page URLs and make it easier for developers to create navigable web apps.

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3. What essence do JavaScript frameworks elevate?

Productivity  
Organization  
Abstraction  
Performance  
Maintainability  
Reusability

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

They hide away the imperative DOM mutations

It simplifies tasks and hides the implementation details using higher level APIs and conventions.  
They encourage modularization through encapsulation.

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

Understanding the frameworks architecture and design patterns.

Understanding the concepts of component-based development.

Know different options for state management.

Engaging with the frameworks community and utilizing documentation.