

# DWA\_08 Discussion Questions

In this module you will continue with your “Book Connect” codebase, and further iterate on your abstractions. You will be required to create an encapsulated abstraction of the book preview by means of a single factory function. If you are up for it you can also encapsulate other aspects of the app into their own 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 parts of encapsulating your logic were easy?

**Function Encapsulation:** By defining functions separately, it's easy to isolate specific blocks of code and give them a clear purpose. Functions can have their own local variables, reducing the chances of variable name clashes or any other side effects. This makes it easier to organize and manage your code.

**Lexical Scoping (local scoping) and Closures:** This allows functions to access variables defined in their outer scope. This feature, combined with closures (functions that remember the environment in which they were created), enables you to encapsulate and preserve state within a function. You can create private variables that are only accessible from within the function's scope organizing and structuring your code in a way that hides the internal implementation details and provides a clear interface for interacting with the code.access only within the local scope and not on the global cope)

For (The findActiveBook function operates within its own local scope)

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## 2. What parts of encapsulating your logic were hard?

**Shared Global Scope:** This is where variables and functions are accessible across the entire application. It can make it more challenging to apply encapsulation and prevent unintended access or modification of internal logic. Therefore modularization and

avoiding global variables are best practices that promote a more organized, maintainable, and reliable codebase. They help reduce issues related to internal logic by providing clear boundaries and encapsulation, making it easier to reason about and manage the code.

for(function openDataListActive it's function are defined in the global scope. They are accessible from anywhere within the JavaScript code.)

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3. Is abstracting the book preview a good or bad idea? Why?

Abstracting the book preview is a good idea ,abstracting the book preview functionality into a separate module or component can promote reusability.by encapsulating the logic within a separate module, you can maintain and update the preview functionality more easily without impacting other parts of the application.

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