

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.

1. What parts of encapsulating your logic were easy?

Code Organization: Encapsulating logic allows for better organization of code. By dividing functionality into modules, it becomes easier to locate and manage specific pieces of code. Each module can focus on a specific task or feature, making the codebase more structured and easier to navigate.

2. What parts of encapsulating your logic were hard?

Data Sharing: Sharing data between modules can be tricky, especially when modules need to access the same data or state. Care must be taken to avoid global variables and instead use appropriate techniques like passing data as function parameters or using event-driven communication.

Module Interactions: Coordinating interactions between modules can become complex, particularly when modules need to communicate or synchronize actions. Proper design patterns, such as pub/sub or observer patterns, may need to be implemented to facilitate effective communication between modules.

Module Dependencies: Managing dependencies between modules can be challenging, especially when multiple modules rely on each other. Ensuring proper initialization and order of module imports can be complex, especially in larger projects with numerous dependencies.

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

Yes

For **Code Reusability:** Abstracting the book preview allows for reusing the same functionality in multiple places within the application. If the book preview is used in different contexts, such as on a book list, search results, or individual book pages, encapsulating it into a separate module can promote code reuse and reduce duplication.
