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?

a).Importing Data and Constants - The code imports data and constants from the 'data.js' file using the import statement.
b).Setting Theme and Updating Styles - The code checks the user's preferred color scheme and sets the theme accordingly by manipulating the CSS variables using document.documentElement.style.setProperty()

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2. What parts of encapsulating your logic were hard?

a).The filters function within the bookFactory, This function encapsulates the logic for creating option elements for the genres and authors dropdowns. It creates option elements based on the data imported from the 'data.js' file and appends them to the respective DOM elements.
b).The handleListButtonClicked function, This function encapsulates the logic for handling the "Show More" button click. It appends more book previews to the list, updates the page counter, and performs other necessary operations.

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

It is a good idea simply because you can ensure collaboration and encapsulation meaning -
1. This promotes collaboration as developers can work independently on different components.
2. Web components encapsulate their own behavior, styling, and structure, which helps in keeping the code modular and separate from other parts of the application. This can lead to easier maintenance and debugging.

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