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?

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   1) I think to add the Get and Sett prop was the iesiest
 Object.defineProperty(element, "previewId", {
  get() {
    return this.getAttribute("data-preview");
  },
  set(value) {
    this.setAttribute("data-preview", value);
  },
 });
}
```

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2. What parts of encapsulating your logic were hard?

I had 2 Errors the one was that i did not add Type Module to the data.js that took me a long time but was a stupid mistake so my export const BOOKS_PER_PAGE = 36; kept giving me and Error
The other Error was :
the error is in this part " searchButton.addEventListener('click', () => {
   const query = searchInput.value.toLowerCase();
   const matches = searchBooks(query);
   renderBookPreviews(matches);
 });"
searchButton variable is null, which means that the element with the ID search-button doesn't exist in the HTML when the JavaScript code is executed.
And i had to bind it to the correct element because there was no searchButton in the Html and also it said id while it was a class i spent a lot of time the realized it was class and it is called "<button class="header__button" data-header-settings=</button>"

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

 Yes it was Good

The benefit of utilizing a single factory function to create book previews is that it simplifies maintenance and customization. Instead of manually updating each instance where the preview is used, you can modify the factory function to make changes across the board. Nevertheless, there are potential drawbacks to this approach. If the preview requirements become overly intricate, the factory function may become hard to handle and maintain.