

DWA_07.4 Knowledge Check_DWA7

1. Which were the three best abstractions, and why?

1. bookPreview function - this function takes the contents of the book object the the data.js file and populated them in a HTML element that it created.
2. setTheme function - The `setTheme` function serves as an abstraction for the task of configuring the CSS variables associated with the chosen theme. This function adheres to the Single Responsibility Principle (SRP) by encapsulating a distinct and focused responsibility within the codebase. By consolidating theme-related operations in one place, it enhances code maintainability and facilitates code reuse, promoting a more organized and efficient approach to handling themes.
3. themeSettings object - this object was created to store the theme settings for the app. It helps keep code clean and make it maintainable. This if from my IWA19 project

2. Which were the three worst abstractions, and why?

1. searchBook function - This function was very long and it was too complicated, it handles the search button however there was also code that shows that it also handles the load more or shows more books button.
2. moreBooks function - This function was a bit confusing because there was also code that handled all the cancel buttons of the app so I did not know whether to include those in the function or leave them out.
3. addMoreBooks - created this function but it was confusing and not very specific and did not understand the purpose of it, though I am quite sure it is significant.

3. How can The three worst abstractions be improved via SOLID principles.

Enhancements can be applied to the initial pair of functions by increasing their specificity and eliminating repetitive elements. As for the third function, utilizing the ``map()`` function can lead to a cleaner and more concise code.
