DWA_07.4 Knowledge Check_DWA7

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

▪ **The data.js file**
It clearly branches off in terms of authors, genres and titles from the main idea of books

▪ **The addEventListeners.js file in utils**
Makes use of the Dependency Inversion Principle (DIP).
Works as an interface in a sense .

▪ **The setTheme.js file or function i utils**
It's a simple function that separates that particular functionality from the rest of the project

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

▪ **The searchForm Handler function in scripts.js**
Too drawn out and a lack of separation of concerns

▪ **The listItemHandler function in scripts.js**
Abstracts too much , creating duplication in our code.

▪ **The listCloseHandler.js file or function.**
A simple function that could be added to an event listener in its own right.

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

▪ Liskov Substitution Principle (LSP) could be applied here.
A separation of concerns could be implemented making use of interfaces for example.

▪ Open-Closed Principle (OCP)
This function should be open to changing of its variables and and not have specific classes.

▪ Single Responsibility Principle (SRP)
A simple function that could be added to an event listener in its own right.