

DWA_09 Discussion Questions

In this challenge, you will continue with your “Book Connect” codebase and further iterate on your abstractions.

Previously, you worked on adding abstraction around the book preview functionality of the project. Next, you must turn the book preview abstraction into a fully-working web component. Then, apply the techniques you’ve learned about this module to the book preview.

If you are up for it, you can also convert other aspects of the app into web components.

You will have a call with your coach where you highlight the following:

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1. What problems did you encounter converting the book preview to a component?

Firstly, I faced challenges with the component structure. Ensuring that the web component accurately represented the book preview and creating the necessary HTML structure and styling within the component's shadow DOM to match the original design was difficult. My limited knowledge of turning code into a web component made this even more challenging.

Secondly, styling was a major issue. I struggled with ensuring that the component's styling didn't clash with the styles of the parent application. I had to research and use CSS methodologies like BEM (Block, Element, Modifier) or CSS-in-JS to scope the component's styles. Resources like ChatGPT and YouTube videos were incredibly helpful in overcoming this hurdle.

2. What other elements make sense to convert into web components? Why?

Custom buttons are a logical choice for web components. They can be created with specific styles, icons, or functionality and reused throughout the application, just like in the book preview.

Modal dialogs also make sense to convert into web components. They are commonly used for overlays, pop-ups, or modals, and creating a modal dialog as a web component allows for easy reuse in different parts of the application.

3. Why does keeping your HTML, CSS and JavaScript in a single file sometimes make sense?

Keeping all the code in one file can enhance simplicity and readability, especially for someone unfamiliar with the project. It makes it easier to understand the component's structure and behavior at a glance. This approach is particularly useful for simple components or prototypes.
