

IWA 19 : Presentation.



By Keorapeste Magano

Book Connect is a social media platform with a focus on books, tailored to book enthusiasts.

Client Brief

A basic version of the product was created by another freelance developer.

Review the existing JavaScript code.

Fix all critical issues, as well as do a full audit of the existing code.

Highlight areas where improvements can be made to performance, readability and future maintainability.

Client has provided you with prioritised user stories that express the product behaviour as intended,

NB : the app will not be considered as fixed unless all these user stories are met.

What have I found?

There are variables and functions that are not defined e.g. 'Create Preview', it is unclear what it is meant to do.

There were logical errors as well, such as using 'Object.entries' instead of 'Object.genresList' and using loops with unidentified conditions.

There was an attempt to use the DOM elements as well as their properties but was set incorrectly e.g. setting the 'data-list-button' to a string instead of assigning its values.

Syntax, comments, and declarations are crucial when coding. Errors in syntax and incorrect declarations can lead to a buggy program. It is important that we understand Syntax and declarations. In this code, they were used incorrectly or not at all.

```
1 createPreview({
2   author,
3   id,
4   image,
5   title
6 })
7
8 fragment.appendChild(preview)
9 }
```

```
1 data-settings-overlay.submit; {
2   preventDefault()
3   const formData = new FormData(event.target)
4   const result = Object.fromEntries(formData)
5   document.documentElement.style.setProperty(
6     '--color-dark', css[result.theme].dark);
7   document.documentElement.style.setProperty(
8     '--color-light', css[result.theme].light);
9   data-settings-overlay.open === false
10 }
```

```
1 for ([id, name]; Object.entries(genres); i++) {
2   document.createElement('option')
3   element.value = value
4   element.innerText = text
5   genres.appendChild(element)
6 }
7
8 data-search-genres.appendChild(genres)
```

```
1 matches = books
2 page = 1;
3
4 if (!books || !Array.isArray(books)) throw new Error('
5   Source required')
6 if (!range || range.length < 2) throw new Error('
7   Range must be an array with two numbers')
8
9 day = {
10   dark: '10, 10, 20',
11   light: '255, 255, 255',
12 }
13
14 night = {
15   dark: '255, 255, 255',
16   light: '10, 10, 20',
17 }
```

```
1 data-search-form.click(filters) {
2   preventDefault()
3   const formData = new FormData(event.target)
4   const filters = Object.fromEntries(formData)
5   result = []
6
7   for (book; booksList; i++) {
8     titleMatch = filters
9     .title.trim() = '' && book.title.toLowerCase().includes[
10       filters.title.toLowerCase()]
11     authorMatch = filters
12     .author = 'any' || book.author === filters.author
13   }
14 }
```

How I fixed it.

- Read and understood the client brief.
- Control flow has been implemented to read the code in a specific order, grouping related code together and delaying the execution of script code.
- Declare some lines of code by initializing them.
- Improved the program's capabilities by incorporating event listeners.
- The improved user experience by incorporating personalized settings, such as local storage and theme preferences.

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Book Connect


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Book Connect




Journeys in English
Bill Bryson




Inferno
Dan Brown




Allegiant
Veronica Roth




Lettre à un otage
Antoine de Saint-Exupéry




Life Without Principle
Henry David Thoreau



Harry Potter and the Goblet of Fire
Mary GrandPré




The Catcher in the Rye
J.D. Salinger



Dostoevsky: The Years of Ordeal, 1850-1859
Joseph Frank

17°C
Mostly sunny



10:56 AM
11-May-23

Conclusion

Recommendations

The functionality of the app is there but we could improve on a few more aspects like the transition from day to night could be a lot smoother using CSS.

Using the right SVG images to create a better user experience(UX). - hover effect with transition effects images .

Conclusion:

The app's functionality had been improved and was successfully guided by the user stories.

Thank you