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.

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

```
data-settings-overlay.submit; {
    preventDefault()
    const formData = new FormData(event.target)
    const result = Object.fromEntries(formData)
    document.documentElement.style.setProperty('
    --color-dark', css[result.theme].dark);
    document.documentElement.style.setProperty('
    --color-light', css[result.theme].light);
    data-settings-overlay).open === false
}
```

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

```
1 matches = books
2 page = 1;
3
4 if ('books && Jarray.isArray(books)) throw new Error('
Source required')
5 if ('range && range.length < 2) throw new Error('
Range must be an array with two numbers')
6
7 day = {
8 dark: '18, 10, 20',
9 light: '255, 255, 255',
10 }
11
12 night = {
13 dark: '255, 255, 255',
14 light: '10, 10, 20',
15 }
```

```
data-search-form.click(filters) {
    preventDefault()
    const formOata = new FormOata(event.target)
    const filters = Object.fromEntries(formOata)
    result = []
    for (book; booksList; i++) {
        titleMatch = filters
        title.tain() = '' & Book out, title.toLowerCase().includes[
        filters.title.toLowerCase()]
        authorMatch = filters
        .author = 'any' || book.author === filters.author
```

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.

How I fixed it.

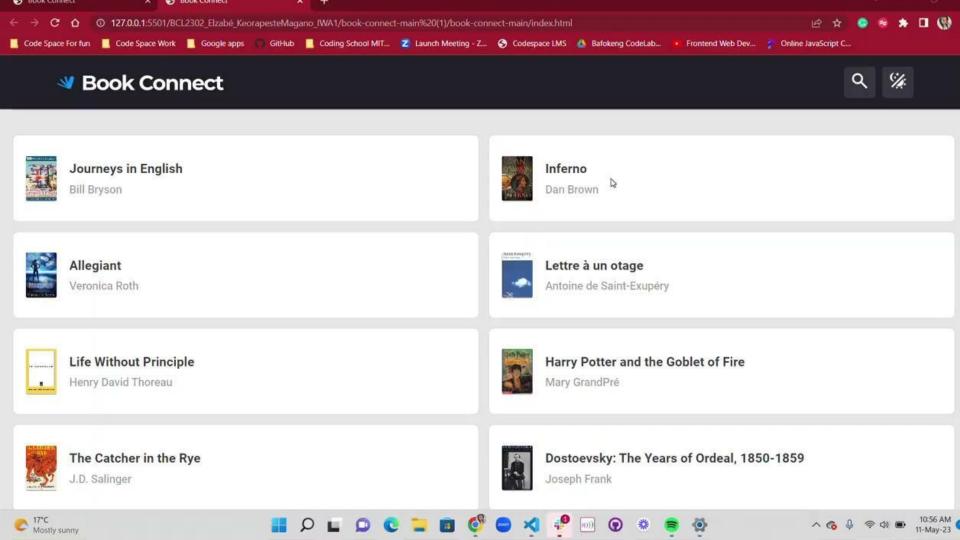
- Read and understood the client brief.
- Control flow has been implemented to read the code in a specific order, grouping related code together and delaying the execution of script code.
- Declare some lines of code by initializing them.
- Improved the program's capabilities by incorporating event listeners.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

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3    element.value = value
4    element.innerText = text
5    genres.appendChild(element)
6 }
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8 data-search-genres.appendChild(genres)
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```
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    for (book; booksList; i++) {
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        filters.title.tolowerCase()]
        authorWatch = filters
        .author = "any" || book.author === filters.author
```



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