

IWA 19 : Presentation.



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

Client Brief

Review the existing JavaScript code that was created by a another freelance developer.

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

Prioritise user stories that express the product behaviour as intended,

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

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

User Stories :

1. As a user, I want to view a list of book previews, by title and author, so that I can discover new books to read.
2. As a user, I want an image associated with all book previews so that I can recognize a book by the cover even if I forgot the name.
3. As a user, I want to have the option of reading a summary of the book so that I can decide whether I want to read it.
4. As a user, I want to have the option of seeing the date that a book was published so that I can determine how easy it is to obtain second-hand.
5. As a user, I want to find books based on specific text phrases so that I don't need to remember the entire title of a book.
6. As a user, I want to filter books by author so that I can find books to read by authors that I enjoy.
7. As a user, I want to filter books by genre so that I can find books to read in genres that I enjoy.
8. As a user, I want to toggle between dark and light modes so that I can use the app comfortably at night.

Some of the issues 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 matches = books
2 page = 1;
3
4 if (!books && !Array.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: '10, 10, 20',
9   light: '255, 255, 255',
10 }
11
12 night = {
13   dark: '255, 255, 255',
14   light: '10, 10, 20',
15 }

```

```

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

```

```

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

```

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 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.

```

1 import { BOOKS_PER_PAGE, authors, genres, books,
  content } from "./data.js";
2
3 const matches = books;
4 const page = 1;
5 // Define two objects, day and night, with RGB color values
  for dark and light themes
6 const css = {
7   day: {
8     dark: '10, 10, 20',
9     light: '255, 255, 255',
10  },
11   night: {
12     dark: '255, 255, 255',
13     light: '10, 10, 20',
14  },
15 };

```

```

1 for ({ author, image, title, id }; extracted; i++) {
2   const preview = createPreview({
3     author,
4     id,
5     image,
6     title
7   })
8
9   fragment.appendChild(preview)
10 }
11

```

```

1 /----- Submit btn for THEME-----
2 content.settings.settingForm.addEventListener('submit'
  , (event) => {
3   event.preventDefault();
4
5   // Get the form data as an object
6   const formData = new FormData(event.target);
7   //converts the form data object into a plain JavaScript object
  called "result".
8   const result = Object.fromEntries(formData);
9
10  /*changes the color scheme of the application to match the
  selected theme*/
11  document.documentElement.style.setProperty('--color-dark', css[result.theme].dark);
12  document.documentElement.style.setProperty('--color-light', css[result.theme].light);

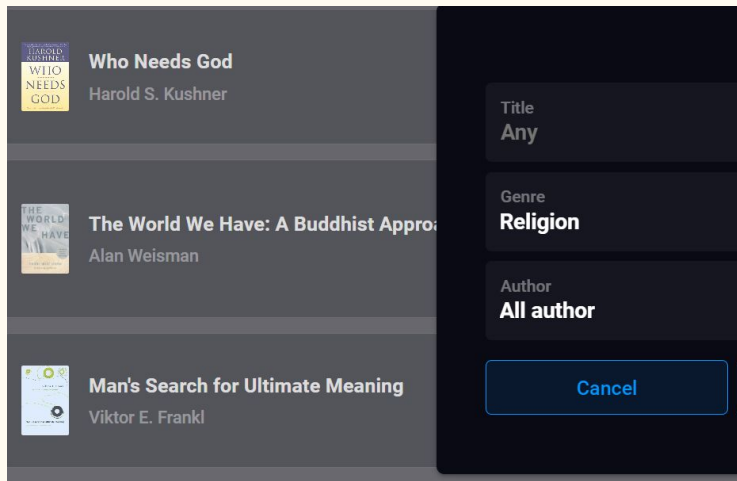
```

```

1
2 <script type="module" src="./data.js" defer></script>
3 <script type="module" src="./scripts.js" defer></script>
4

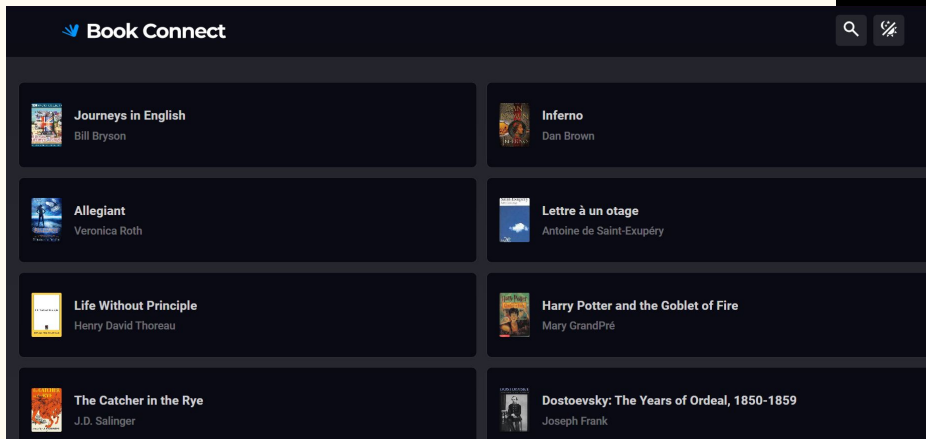
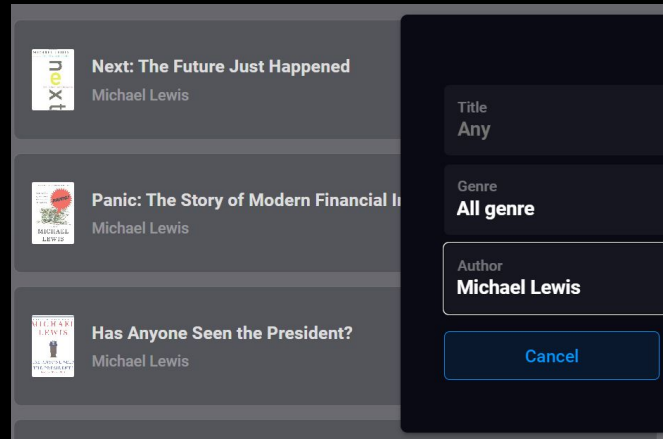
```

Filter books by genre.



Achieved User Stories..

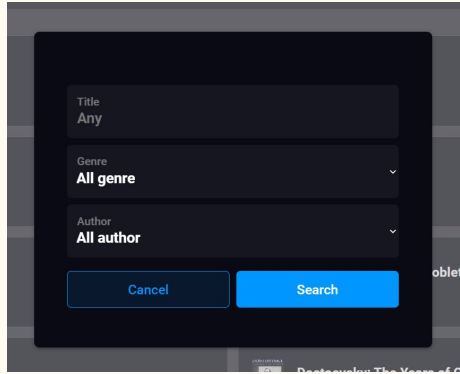
Filter books by author.



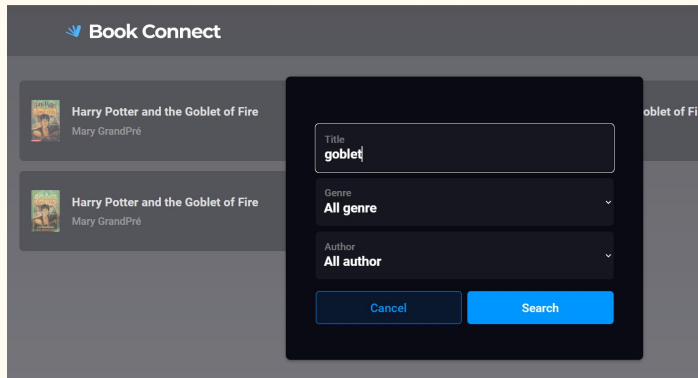
View books by title and author, so they can discover new books.

Achieved User Stories..

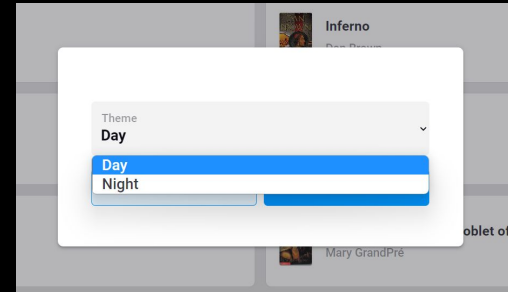
Filter books by author and genre.



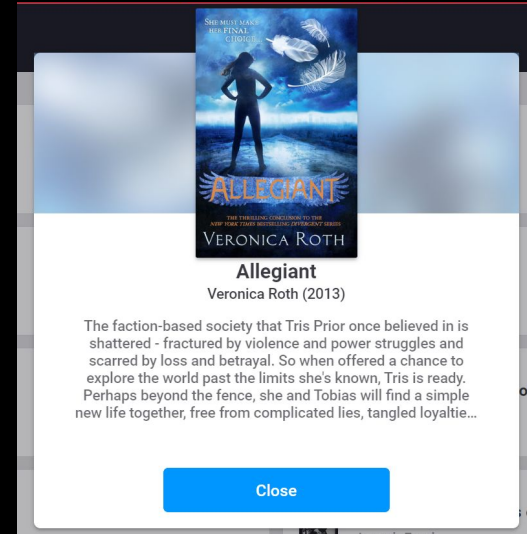
Find users using phrases



User can toggle between dark and light mode.



User can view books by Image, read the summary.



User can see the published date of the book.


Book Connect

127.0.0.1:5501/BCL2302_Elزابَة_KeorapesteMagano_IWA1/book-connect-main%20(1)/book-connect-main/index.html


Code Space For funCode Space WorkGoogle appsGitHubCoding School MIT...Launch Meeting - Z...Codespace LMSBafokeng CodeLab...Frontend Web Dev...Online JavaScript C...

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