DWA_03.4 Knowledge Check_DWA3.1

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1. Please show how you applied a Markdown File to a piece of your code.

```
# IWA19: Final Capstone (Book Connect Web App)

## About Book Connect
Book Connect are a small startup that run a social media platform specifically targeted at book enthu
siasts.

## Description
 This is a web app designed for book enthusiasts. You can explore a list of book previews, complete w
ith titles and author details. Each preview includes an image of the books cover, making it easy to r
ecognize. The book summaries help you to decide which books to read. You can even check the publicati
on dates to see how likely it would be to find second-hand copies. The app also allows you to search
for books, filter by titles, authors and genres that you enjoy. You can toggle between dark and light
modes for comfortable reading.

 ## User Stories
- [x] 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.

- [x] 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.

- [x] As a user, I want to have the option of reading a summary of the book so that I can decide whet
her I want to read it.

- [x] 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.

- [x] 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.
- [x] As a user, I want to filter books by author so that I can find books to read by authors that I
enjoy.

- [x] As a user, I want to filter books by genre so that I can find books to read in genres that I en
joy.

- [x] As a user, I want to toggle between dark and light modes so that I can use the app comfortably
at night.

## Planned Updates

-high priority-
- [ ] Customizable page sizes
- [ ] Removing show more button if no items were found
- [ ] When clicking off overlay, close the overlay
- [ ] Clicking on title will go back to top of the page and reset all filters

-Medium Priority-
- [ ] Fuzzy Searching
- [ ] Search Sorting( Alphabetical, Popularity, Date)
- [ ] Add carouselle to see trending books relating to your search

-Low Priority-
- [ ] Infinite scrolling

## Presentation Slideshow

## Developers

Joshua Visagie
https://github.com/JoshVisagie

Code Space Academy
https://github.com/CodeSpace-Academy

## Code Presentation
https://www.figma.com/file/IcHPQtoiZFFgkiqP4Rn2d0/Joshua_Visagie_IWA_Capstone?type=whiteboard&node-id
=9-1036&t=AFowfFS7MZfd8l0i-0
```

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2. Please show how you applied JSDoc Comments to a piece of your code.

```
1  /**
2   * this function sets the color mode based on the value ('day'||'night') provided
3   * @param {string} targetColorMode this string is the theme dark|light from the theme selector
4   * @returns {void}
5   */
6  const setThemeColorProperties = (targetColorMode) => {
7    document.documentElement.style.setProperty(
8      "--color-dark",
9      CSS_COLORS[targetColorMode].dark
10   );
11   document.documentElement.style.setProperty(
12     "--color-light",
13     CSS_COLORS[targetColorMode].light
14   );
15 };
```

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3. Please show how you applied the @ts-check annotation to a piece of your code.

```javascript
//@ts-check
/**
 * this takes an object called book and creates element with the html for a single
 * book.
 * @typedef {Object} book - a book that will be used to create a div
 * @property {string} title
 * @property {string} image
 * @property {string} author
 * @property {string} authorID
 * @property {string} id
 * @returns {HTMLDivElement} newElement(div)
 */
const createPreview = (book) => {
  const { title, image, author: authorID, id } = book;
  const newElement = document.createElement("div");
  const author = authors[authorID];

  newElement.dataset.id = id;
  newElement.className = "preview";
  newElement.innerHTML = `
        <img src= ${image} class ="preview__image"alt="${title}'s bookcover">
        <div class="list__items">
          <div class='preview__title'>${title}</div>
          <div class="preview__author">${author}</div>
        </div>
        `;
  return newElement;
};
```

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4. As a BONUS, please show how you applied any other concept covered in the 'Documentation' module.

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