DWA_03.4 Knowledge Check_DWA3.1

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

Book connect This book connect application built with JavaScript, is designed to be incredibly simple and user friendly, providing minimal functionality needed. It allows users to view a list of books, search for specific books based on title, genre, and author, and view detailed information about each ## Table of contents - [Table of contents](#table-of-contents) - [Getting started](#getting-started) - [License](#license) ## features Simple and user-friendly - 🎇 Focus on minimal functionality 🔥 ability to scan and retrieve information about physical books A Display a list of books with book previews Load more books on the list A Search for specific books based on title, genre, and author ▲ View detailed information about each book in a modal overlay ✓ Toggle between light and dark theme modes

```
The following ids required:

An IDE like [Visual Studio Godal/Hetter://Gode_visualstudio.com/)

Basic [HTML,CSS and Java Follow link (ctrl + dick) //developer.mozilla.org/en-US/docs/learn)

A browser like [Chrome](https://www.google.com/chrome/)

## Getting started

Extract file from LMS
Open a github folder and add a Read.me

Clone a repository on GiHub desktop
Open Vs code and open the extracted file

Within the folder the is: index.html, style.css, data.js and scripts. js

start debugging the code and only edit on the scripts.js

## User-stories

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.

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.

As a user, I want to have the option of seeing the date that a book was published so that I can decide whether I want to read it.

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.

As a user, I want to filter books by genre so that I can find books to read by authors that I enjoy.

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

Usage

- The book list is displayed on the main page. Scroll through the list to view available books.
- To load more books, click the "Show more" button at the bottom of the list
- To search for specific books, click the search icon in the header. Enter the desired title, genre, and author in the search form and click the search button.
- Click on a book preview to view detailed information about the book in a modal overlay.
- To close the modal overlay, click the close button or anywhere outside the overlay.
- To toggle between light and dark theme modes, click the settings icon in the header. Select the desired theme from the dropdown menu.

License

This project is licensed under the [MIT License](LICENSE).

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

```
**Represents a data object with lists.

**Preturn secondar length == 0 | lists - The lists of data.

**/

**Extracts the biggest number from the lists.

**Represents a data object with lists.

**Represents a data object with lists.

**Preturn secondar length == 0 | lists - The lists of data.

**

**Const extractsiggest = () => {

**If (firstarn.length === 0) {

**return secondar.length === 0 } thirdar.pop() : secondar.pop();

**If (secondar.length === 0) {

**return firstar.length === 0 } secondar.pop() : firstar.pop();

**Jecondar.length === 0 } secondar.pop() : firstar.pop();

**Jecondar.length === 0 } secondar.pop() : firstar.length - 1] && firstar.length - 1] >= thirdar.length - 1]) {

**return firstar.length - 1] >= thirdar.length - 1] && secondar.length - 1] >= firstar.length - 1]) {

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```

```
* @type {DataObject}
const data = {
 lists: [
   ["first", [15, 11, 13, 7, 5]],
   ["second", [2, 6, 8, 4, 14, 12, 10]],
   ["third", [9, 3, 1]],
 ],
};
const firstArr = data.lists[0][1];
const secondArr = data.lists[1][1];
const thirdArr = data.lists[2][1];
* @type {number[]}
const result = [];
```

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

```
return thirdArr.pop();
};
* @type {DataObject}
const data = {
  lists: [
   ["first", [15, 11, 13, 7, 5]],
   ["second", [2, 6, 8, 4, 14, 12, 10]],
   ["third", [9, 3, 1]],
 ],
};
const firstArr = data.lists[0][1];
const secondArr = data.lists[1][1];
const thirdArr = data.lists[2][1];
* @type {number[]}
const result = [];
```

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