

DWA_03.4 Knowledge Check_DWA3.1

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

- Below are screenshots from my README file that I created for the previous module's capstone project.

```
1  # Book Connect
2
3  Book Connect is a social media platform specifically designed for book enthusiasts. The platform was initially developed by a freelance
4  developer, and has now been improved and is running as intended.
5
6  ## :beginner: Description
7
8  Book Connect allows users to discover new books to read. Users can view a list of book previews, each with a title, author, and associated
9  image. They can also read a summary of each book, see the date it was published, and find books based on specific text phrases. Users can
10 filter books by author or genre, and toggle between dark and light modes for comfortable use at any time of day.
11
12 ## :wrench: User Stories
13
14 The following user stories have been addressed to achieve the desired functionality:
15
16 - 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.
17 - 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.
18 - 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.
19 - 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
20 second-hand.
21 - 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.
22 - As a user, I want to filter books by author so that I can find books to read by authors that I enjoy.
23 - As a user, I want to filter books by genre so that I can find books to read in genres that I enjoy.
24 - As a user, I want to toggle between dark and light modes so that I can use the app comfortably at night.
25
26 ## :rocket: Getting Started
```

```
21
22 ## :rocket: Getting Started
23
24 1. Clone this repo using the git clone command.
25 2. Install the Live Server extension in VS Code.
26 3. Right click the index.html file and choose the "Open with Live Server" option.
27
28 ## :zap: Usage
29
30 Once you have the application running, you can use it as follows:
31
32 1. Viewing Book Previews: On the homepage, you will see a list of book previews. Each preview includes the book's title, author, and an
33 associated cover image.
34 ![book_connect_1](https://github.com/TinoDCodes/TINDAU271_PT02309_GroupA_TinotendaDauti_IWA/assets/148287175/6e202a08-c026-4cdb-b753-a020a6d9943a)
35
36 2. Reading Book Summaries: Click on a book preview to read a summary of the book. This can help you decide whether you want to read the
37 book.
38 ![book_connect_2](https://github.com/TinoDCodes/TINDAU271_PT02309_GroupA_TinotendaDauti_IWA/assets/148287175/deaa33a8-608b-4bf0-b633-e78b48303624)
39
40 3. Checking Publication Dates: The date of publication is also listed for each book above the summary, which can help you determine how
```

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

- Below is a screenshot of where I applied JSDoc Comments in my code for the previous module's capstone project.

```
/**
 * Updates the "data-list-active" overlay element's HTML, using the data of the given book, so that the overlay
 * correctly displays the details of the selected book.
 *
 * @param {Object} book - The book object.
 * @param {string} book.image - The URL of the book's cover image.
 * @param {string} book.title - The title of the book.
 * @param {string} book.author - The ID of the author of the book.
 * @param {string} book.published - The published date of the book in ISO string format.
 * @param {string} book.description - The description of the book.
 */
export const loadBookOverlayData = (book) => {
  const { list } = documentHtml;
  const publishedDate = new Date(book.published);

  list["overlay-image"].setAttribute("src", book.image);
  list["overlay-blur"].setAttribute("src", book.image);
  list["overlay-title"].innerText = `${book.title}`;
  list["overlay-subtitle"].innerText = `${
    authors[book.author]
  } (${publishedDate.getFullYear()})`;
  list["overlay-description"].innerText = `${book.description}`;
};
```

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

```
1 // @ts-check
2
3 // The default number of books to display on the page.
4 export const DEFAULT_BOOKS_PER_PAGE = 36;
5
6 /**
7  * @typedef {Object} State
8  * @property {string} theme - The current theme of the website. It can be either "day" or "night"
9  * @property {string[]} extracted-books - Property 'extracted-books' is missing in type '{ theme: string; "books-per-page": number; matches: never[]; }' but required in type 'State'. ts(2741)
10 * @property {string} books-per-page - data.js(9, 4): 'extracted-books' is declared here.
11 * @property {string} matches -
12 */
13 const state: State
14
15 /**
16  * The active
17  * the state
18  * @type {State}
19  */
20 export const state = {
21   theme: "day",
22   // "extracted-books": [],
23   "books-per-page": DEFAULT_BOOKS_PER_PAGE,
24   matches: [],
25 };
26
```

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

- Below is a screenshot of how I applied type definition in my code:

```
/**
 * @typedef {Object} State
 * @property {string} theme - The current theme of the website. It can be either "day" or "night".
 * @property {Array} extracted-books - An array to store the books that have been extracted.
 * @property {number} books-per-page - The current number of books displayed on the page.
 * @property {Array} matches - An array to store the matched books based on a search or filter criteria.
 */

/**
 * The active state of the app expressed as an object literal. It serves as a single source of truth for
 * the state that the app is in at any given point.
 * @type {State}
 */
export const state = {
  theme: "day",
  "extracted-books": [],
  "books-per-page": DEFAULT_BOOKS_PER_PAGE,
  matches: [],
};
```
