

DWA_03.4 Knowledge Check_DWA3.1

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

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Description: [↗](#)

This web app acts as an online library. It allows users to view books and sort them by title, genre and author. It also contains a dark/light mode toggle for improved user experience

Software apps used: [↗](#)

- Visual Studio Code
- Google Chrome

Languages used: [↗](#)

- HTML
 - CSS
 - JavaScript
-

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

```
/**
 * A function that takes a book object from the "books" array, deconstructs it's
 * various values, creates a "div" element, and then inputs each value inside
 * its own element within the newly created "div" element, creating a class for
 * each that corresponds with the class selectors in the css file. It then
 * returns the html element.
 *
 * @param {object} book
 * @returns {HTMLElement}
 */
const createBookElements = (book) => {
  // Each "book" object in "books" array is deconstructed for convenience.
  const { author, id, image, title, description, published } = book;
```

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

```
// @ts-check

// Import all values from data.js to be used in this file.
import { BOOKS_PER_PAGE, authors, genres, books } from "../data.js";
```

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