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.

ALEKUB082_pto2301_groupB_Alexander-Kubierske_IWACapstone

Code reparation for Code Space IWA. This is the capstone project for the Interactive Web Apps module and it focuses on fixing code for a library website.

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Website functionality description

This program is a book preview website. It allows users to explore a list of book previews with titles, authors, and associated cover images. Users can read summaries, check publication dates, and search for books using specific text phrases. The program enables filtering by author and genre preferences. Additionally, it offers a dark and light mode toggle for comfortable usage at night. Overall, it provides a user-friendly platform for discovering and customizing book recommendations.

features

- 🌙 User Theme customization
- 📖 Book previews with minimal information
- 📘 In-depth information displayed on user selected books
- 🔍 Filtering by author, title and genre

User Stories

Provided by Code Space to illustrate the expected outcomes

- 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 an image associated with all book previews so that I can recognize a book by the cover even if I forgot the name.
- 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 determine how easy it is to obtain second-hand.
- 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 author so that I can find books to read by authors I enjoy.
- As a user, I want to filter books by genre so that I can find books to read in genres 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.

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

```js
/**
 * This function creates the html element that displays the basic information of a book
 * as a button and returns that element.
 *
 * @param {string} author - author of the book as an id string
 * @param {string} id - the id of the book as an id string
 * @param {string} image - the cover image as a link string
 * @param {string} title - the title of the book as a string
 * @returns {HTMLElement} - the button element
 */
const createPreview = ({ author, id, image, title }) => {
    const element = document.createElement('button');
    element.classList = 'preview';
    element.setAttribute('data-preview', id);

    element.innerHTML = /* html */ `
        <img
            class="preview__image"
            src="${image}"
        />

        <div class="preview__info">
            <h3 class="preview__title">${title}</h3>
            <div class="preview__author">${authors[author]}</div>
        </div>
    `;
    return element;
};
```

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

```js
/**
 * @typedef {object} book - an object representing a book
 * @prop {string} id - a unique id for each book
 * @prop {array} genres - an array of the books genres
 * @prop {number} popularity - a unique id for each book as a number
 * @prop {string} title - the name of the  book
 * @prop {string} image - a link to the amazon image of the book cover as a string
 * @prop {string} description - a short blurb for the book
 * @prop {number} pages - the number of pages in the book
 * @prop {string} published - the date it was published
 * @prop {string} author - the author code for the book
 */

export const books = [
  {
    "id": "760b3450-9c86-42d0-8eff-e793bf823756",
    "genres": [
      "6dd5bb6e-0172-4d6e-aa18-26f00954dd7a",
      "c60e7571-371f-4985-a3eb-97f7d3330e92",
      "39ca8a42-15aa-4774-ad4a-eda304b6ad56",

      "e5c0a16b-b375-4684-a7e7-0224ab6e52b7",

      "5544cf7a-0f35-4576-a0eb-d01bc634655b"
    ],
    "popularity": 98,
    "title": "Journeys in English",
    "image": "https://images-na.ssl-images-amazon.com/images/S/compressed.photo.goodreads.com/books/1348495562i/42891.jpg",
    "description": "This highly entertaining BBC Radio 4 series is written and presented by Bill Bryson and based on his bestselling book, 'Mother Tongue'
    "pages": 3,
    "published": "1996-12-31T22:00:00.000Z",
    "author": "6b092ae7-283c-45db-80f1-f0cc7e0d4921"
  },
```

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4. As a BONUS, please show how you applied any other concept covered in the 'Documentation' module.
Creating a description of the program using chatgpt

please write a paragraph explaining as program which meets these 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 an image associated with all book previews so that I can recognize a book by the cover even if I forgot the name.
-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 determine how easy it is to obtain second-hand.
-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 author so that I can find books to read by authors that I enjoy.
-As a user, I want to filter books by genre so that I can find books to read in genres 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.

please shorten that previous paragraph

This program is a book preview website that fulfills various user stories. It allows users to explore a list of book previews with titles, authors, and associated cover images. Users can read summaries, check publication dates, and search for books using specific text phrases. The program enables filtering by author and genre preferences. Additionally, it offers a dark and light mode toggle for comfortable usage at night. Overall, it provides a user-friendly platform for discovering and customizing book recommendations.

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