DWA_03.4 Knowledge Check_DWA3.1

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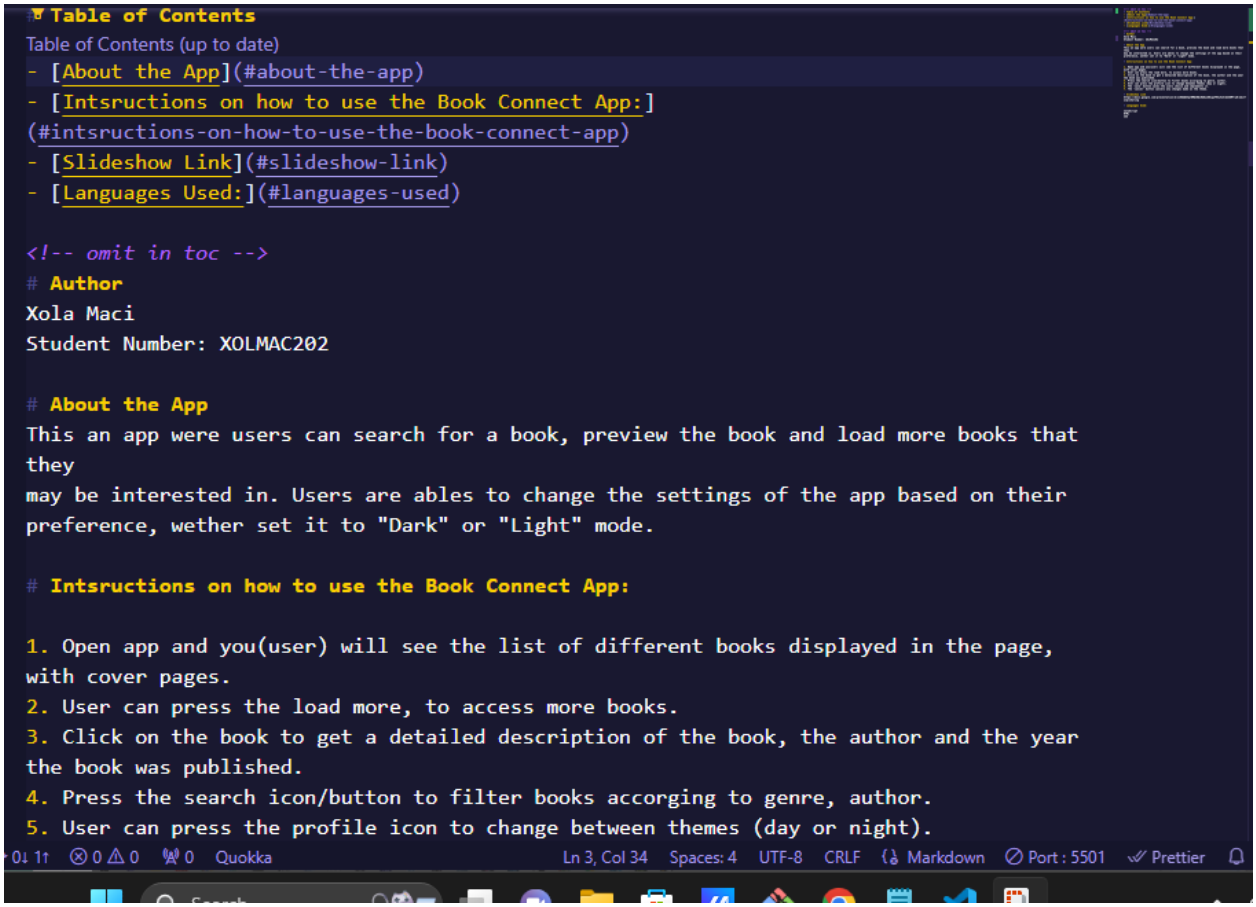
1. Please show how you applied a Markdown File to a piece of your code.

Below is a screenshot of the readme file for the BookConnect app that we did as a capstone challenge for the IWA course. It shows how the markdown file was applied for the project.



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

I used code from the IWA17 challenge to add JSDOC comments to the function called addCell, in the screenshot below it shows how this was achieved.

```
/**existing is for the existing html content.
 *  ClassString creates a table with a CSS class called 'classString'
 * (&amp;nbsp;${value}&amp;nbsp;) places the value inside the table cell, makes spcace around the value.
 * @param {string} existing - This is for the existing HTML content
 * @param {string} classString - creates a table with a CSS class called 'classString'
 * @param {string} value - This is the value that will added to the cell table
 * @returns {result} - This returns results as a string
 */
const addCell = (existing, classString, value) => {
    const result =`${existing}
      <td class="${classString}">
        &amp;nbsp;${value}&amp;nbsp;
      </td>
    `;
    return result;
  };
```

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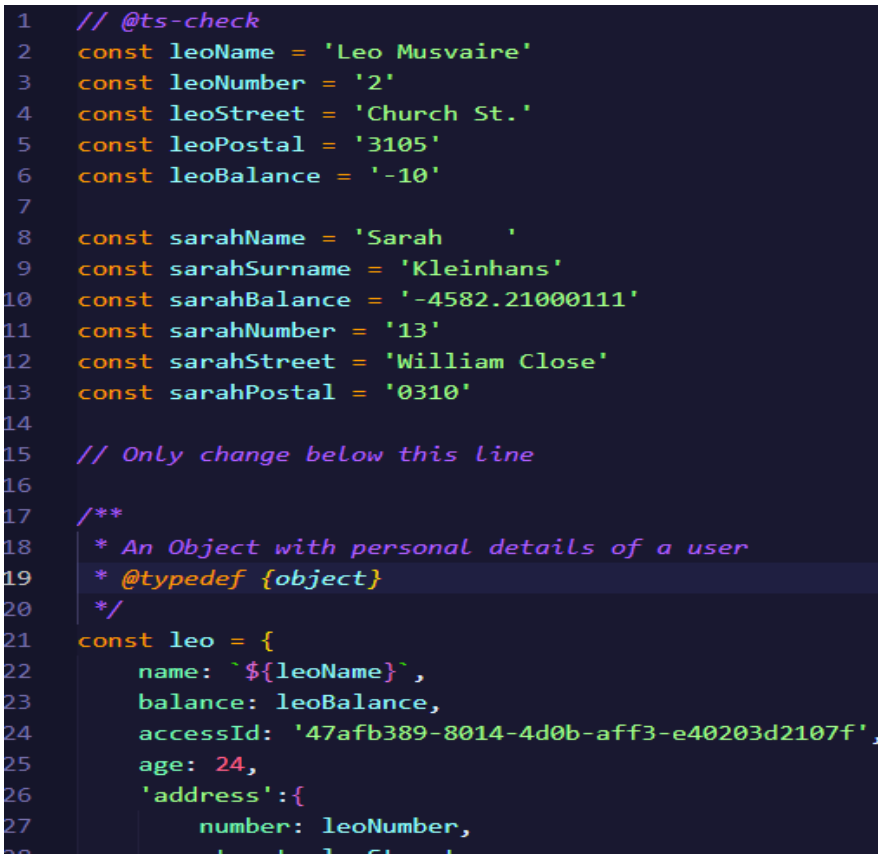
3. Please show how you applied the @ts-check annotation to a piece of your code.

I used the code from IWA8 to check for errors in the code using @ts-check and used the @typedef to define the object.



```
// @ts-check
const leoName = 'Leo Musvaire'
const leoNumber = '2'
const leoStreet = 'Church St.'
const leoPostal = '3105'
const leoBalance = '-10'

const sarahName = 'Sarah     '
const sarahSurname = 'Kleinhans'
const sarahBalance = '-4582.21000111'
const sarahNumber = '13'
const sarahStreet = 'William Close'
const sarahPostal = '0310'

// Only change below this line

/**
 * An Object with personal details of a user
 * @typedef {object}
 */
const leo = {
    name: `${leoName}`,
    balance: leoBalance,
    accessId: '47afb389-8014-4d0b-aff3-e40203d2107f',
    age: 24,
    'address':{
        number: leoNumber,
```

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

Another form of documentation that I implemented on my final Capstone (IWA19) were inline comments and descriptive/ easy to understand variable names and function names. The screenshot below shows inline comments and variable names:

```
// all the extracted data types from the html file
const activeList = document.querySelector("[data-list-active]");
const dataList = document.querySelector("[data-list-items]");
const btnClose = document.querySelector("[data-list-close]");
const cancelBtn = document.querySelector("[data-search-cancel]");
const bookDescription = document.querySelector("[data-list-description]");
const bookSubtitle = document.querySelector("[data-list-subtitle]");
const bookTittle = document.querySelector("[data-list-title]");
const blurryBookPic = document.querySelector("[data-list-blur]");
const bookPic = document.querySelector("[data-list-image]");
const themeOption = document.querySelector("[data-settings-theme]");
const formChange = document.querySelector("[data-settings-form]");
const formOverlay = document.querySelector("[data-settings-overlay]");
const searchOverlay = document.querySelector("[data-search-overlay]");
const btnSettings = document.querySelector("[data-header-settings]");
const listMessage = document.querySelector("[data-list-message]");
```
