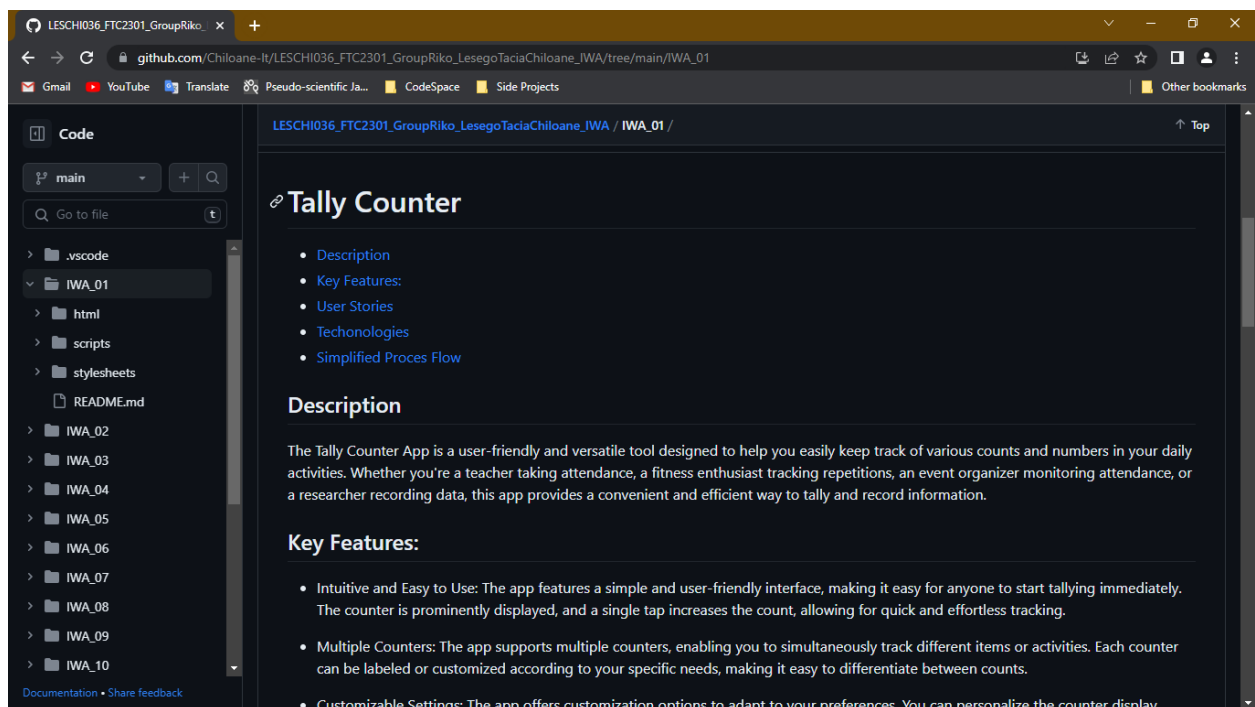
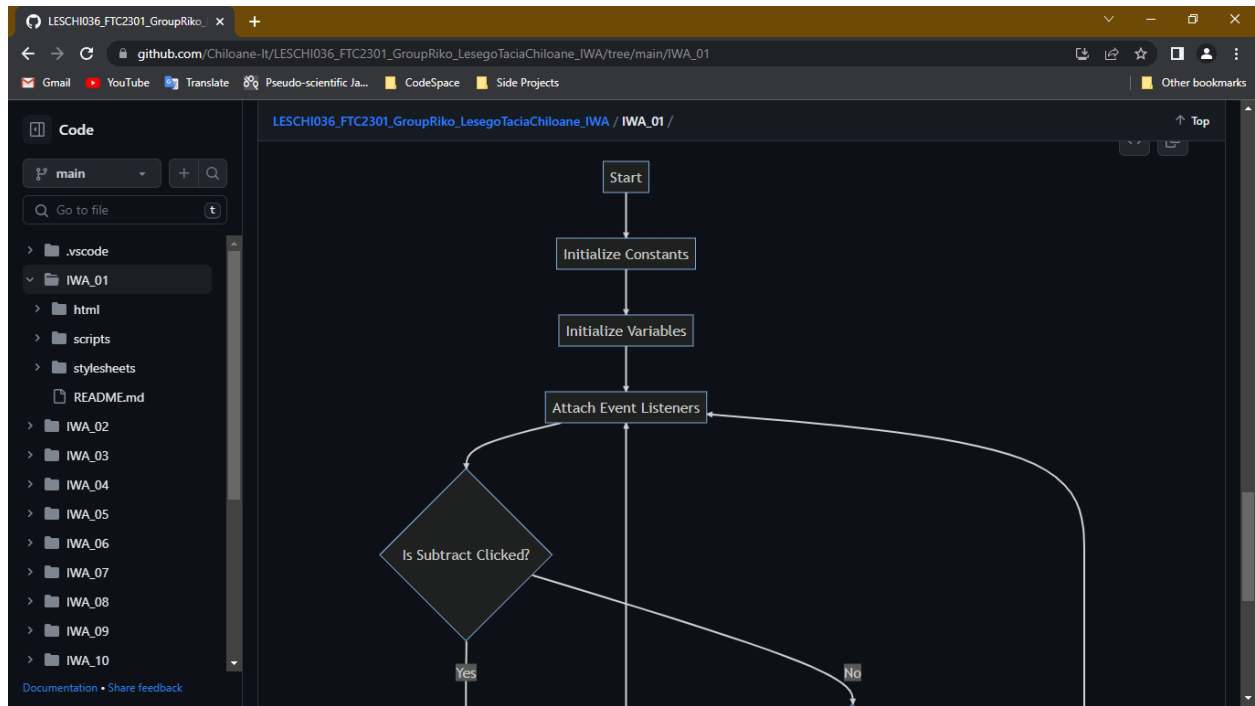


DWA_03.4 Knowledge Check_DWA3.1

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

I applied a markdown file to IWA_01 Tally Counter. I added styling using markdown and a process flow diagram using markdown but for mermaid.





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

```

/**
 * Creates a slice of specified length from the database of books.
 * This slice is then converted into a preview for each book using the createPreview
 * function.
 * The previe is appended to an html fragment and this fragment is returned.
 *
 * @param {array} array is an object array of books with properties.
 * @param {number} start is a number denoting where to start slice.
 * @param {number} end is a number denoting where to end slice.
 * @return {HTMLElement}
 */
export const createPreviewsFragment = (array, start, end) => {

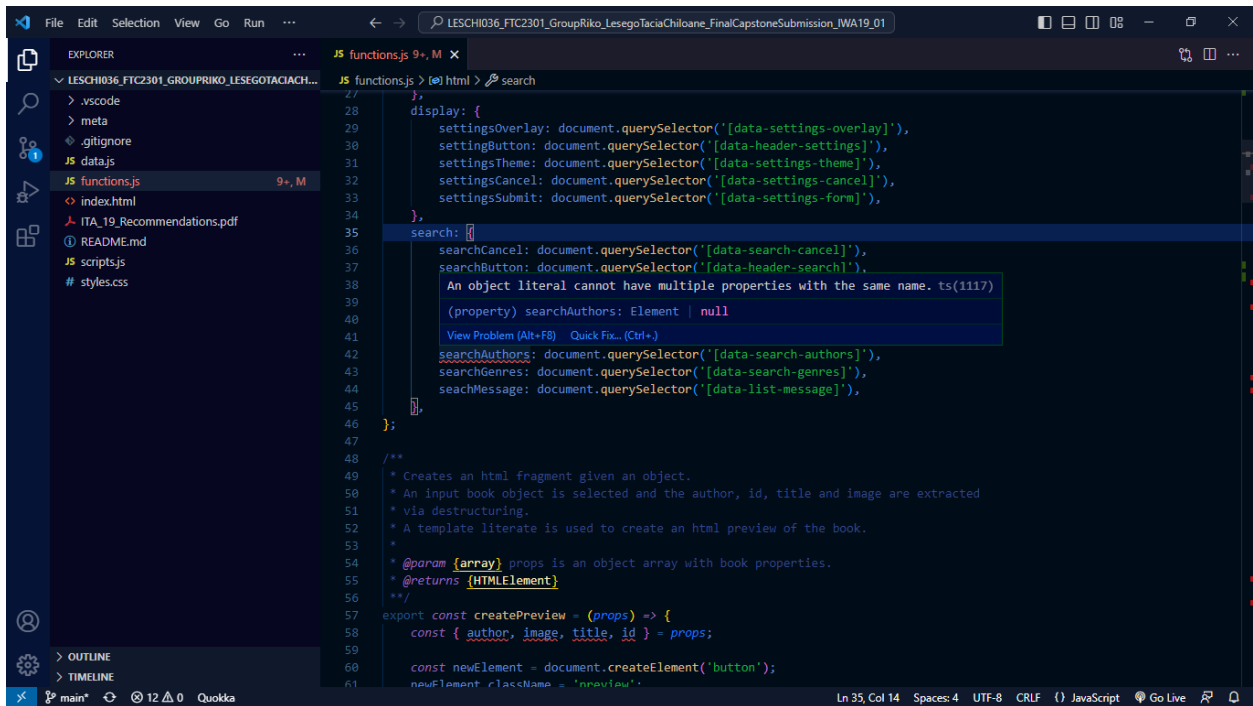
  /**
   * An array of objects sliced from the books array along the range `start` to `end`.
   * @type {array} booksSlice
   */
  const booksSlice = array.slice(start, end);

  /**
   * HTML fragment store the bookslice which will be appended to the DOM to show the next 36
   * books.
   * @type {HTMLElement} previewFragment
   */
  let previewFragment = document.createDocumentFragment();

```

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

```
1 // @ts-check
2
3 import { authors, books, BOOKS_PER_PAGE } from './data.js'
4
5 // DOM Data
```



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

Creating flowcharts with Mermaid

```
```mermaid
graph TD
 A[Start] --> B[Initialize Constants]
 B --> C[Initialize Variables]
 C --> D[Attach Event Listeners]
 D --> E{Is Subtract Clicked?}
 E -- Yes --> F[Update Value]
 F --> G[Disable Add if New Value is Maximum]
 G --> H[Enable Subtract if New Value is Above Minimum]
 H --> D
 E -- No --> I{Is Add Clicked?}
 I -- Yes --> J[Update Value]
 J --> K[Disable Subtract if New Value is Minimum]
 K --> L[Enable Add if New Value is Below Maximum]
 L --> D
 I -- No --> M[End]
```
```
