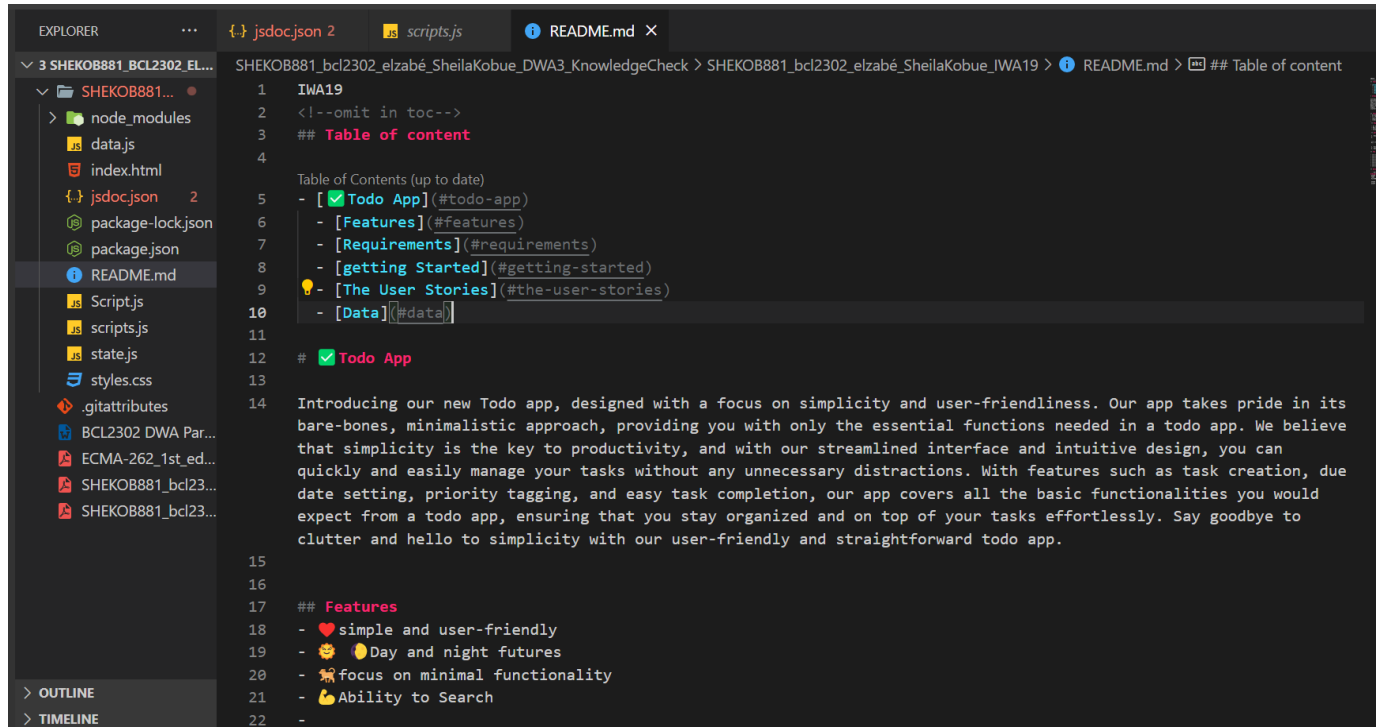
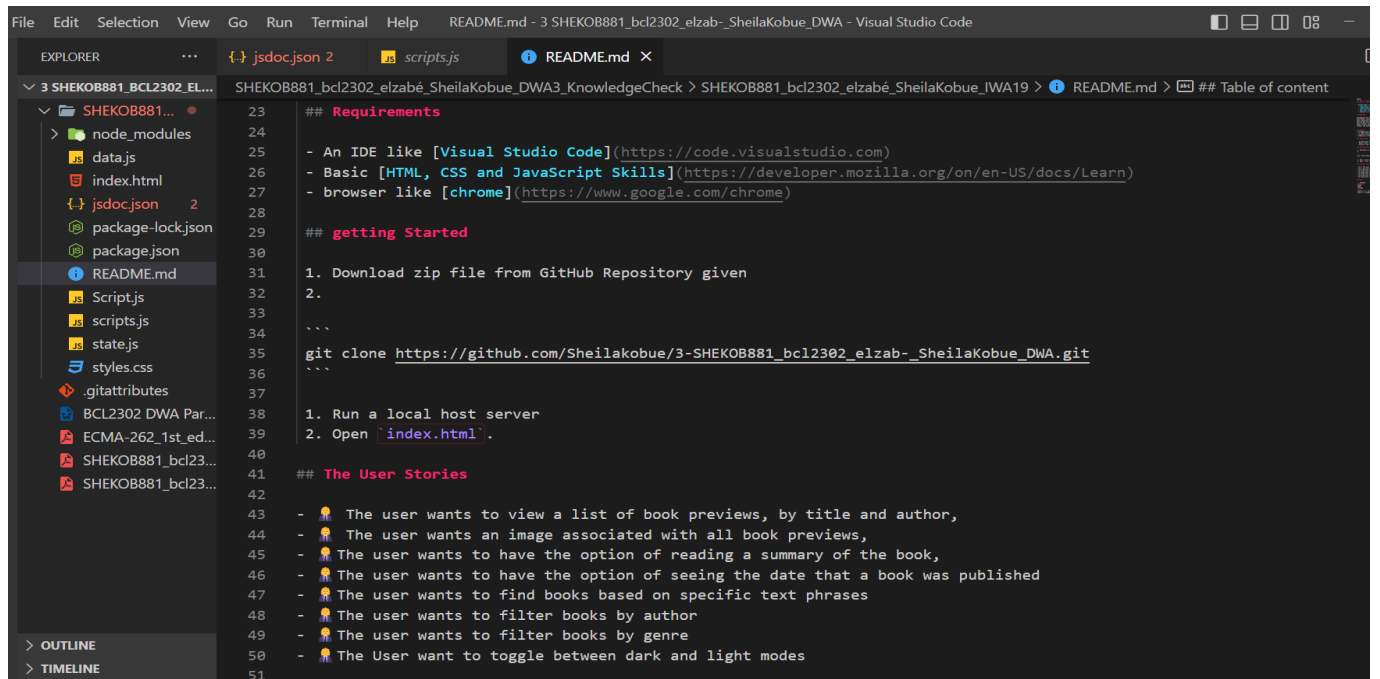


DWA_03.4 Knowledge Check_DWA3.1

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



```
1 IWA19
2 <!--omit in toc-->
3 ## Table of content
4
5 Table of Contents (up to date)
6 - [✅ Todo App](#todo-app)
7   - [Features](#features)
8   - [Requirements](#requirements)
9   - [Getting Started](#getting-started)
10  ⚡ [The User Stories](#the-user-stories)
11  - [Data](#data)
12
13 # ✅ Todo App
14
15 Introducing our new Todo app, designed with a focus on simplicity and user-friendliness. Our app takes pride in its
16 bare-bones, minimalistic approach, providing you with only the essential functions needed in a todo app. We believe
17 that simplicity is the key to productivity, and with our streamlined interface and intuitive design, you can
18 quickly and easily manage your tasks without any unnecessary distractions. With features such as task creation, due
19 date setting, priority tagging, and easy task completion, our app covers all the basic functionalities you would
20 expect from a todo app, ensuring that you stay organized and on top of your tasks effortlessly. Say goodbye to
21 clutter and hello to simplicity with our user-friendly and straightforward todo app.
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```



```
23 ## Requirements
24
25 - An IDE like [Visual Studio Code](https://code.visualstudio.com)
26 - Basic [HTML, CSS and JavaScript Skills](https://developer.mozilla.org/en-US/docs/Learn)
27 - browser like [chrome](https://www.google.com/chrome)
28
29 ## getting Started
30
31 1. Download zip file from GitHub Repository given
32 2.
33 ...
34
35 git clone https://github.com/SheilaKobue/3-SHEKOB881_bcl2302_elzab-_SheilaKobue_DWA.git
36 ...
37
38 1. Run a local host server
39 2. Open `index.html`.
40
41 ## The User Stories
42
43 - 🧑 The user wants to view a list of book previews, by title and author,
44 - 🧑 The user wants an image associated with all book previews,
45 - 🧑 The user wants to have the option of reading a summary of the book,
46 - 🧑 The user wants to have the option of seeing the date that a book was published
47 - 🧑 The user wants to find books based on specific text phrases
48 - 🧑 The user wants to filter books by author
49 - 🧑 The user wants to filter books by genre
50 - 🧑 The User want to toggle between dark and light modes
51
```

```
51
52  ## Data
53
54  ``mermaid
55  erDiagram
56  STATE
57  TASK
58  FILTERS
59
60  STATE ||--|| FILTERS: contains
61  STATE ||--o(TASK: contains
62  ``
```

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

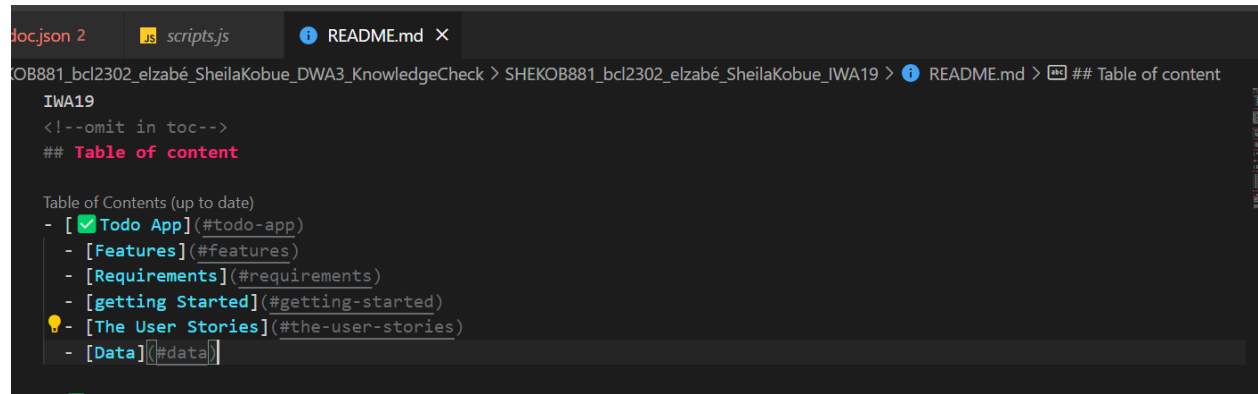
```
/**
 *imported variables from data.js
 */
import {authors, genres, books} from "../data.js"
/**
 * declaring the variables
 */
const dataListItem = document.querySelector('[data-list-items]')
let startIndex = 0;
let endIndex = 36;
const extracted = books.slice(startIndex, endIndex)
const fragment = document.createDocumentFragment()
for (const {author, image, title, id, description, published} of extracted) {
  const preview = document.createElement('button')
  preview.className = 'preview'
  preview.dataset.id = id
  preview.dataset.title = title
  preview.dataset.image = image
  preview.dataset.subtitle = `${authors[author]} (${(new Date(published)).getFullYear()})`
  preview.dataset.description = description
}
/**
 * template to structure the html then append the preview to fragment
 */
```

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

```
File Edit Selection View Go Run Terminal Help Scriptjs - 3 SHEKOB881_bcl2302_elzabé_SheilaKobue_DWA - Visual Studio Code
EXPLORER SHEKOB881_bcl2302_elzabé_SheilaKobue_DWA
  SHEKOB881_bcl2302_elzabé_SheilaKobue_DWA
    node_modules
    data.js
    index.html
    jdoc.json 2
    package-lock.json
    package.json
    README.md
    Scriptjs
    scripts.js
    state.js
    styles.css
    .gitattributes
    BCL2302 DWA Par...
    ECMA-262_1st_ed...
    SHEKOB881_bcl23...
    SHEKOB881_bcl23...

jdoc.json 2
1 import {State} from './state.js'
2 // @ts-check
3
4
5 state.tasks["erhjsnksdbsbcjhbn"] = {
6   completed: false,
7   id: '1231231',
8   created: new Date(),
9   due: null,
10  title: 'asdasd',
11  urgency: 'low',
12 }
13 //state.filters.sorting(checking current filter)
14 // Static type checking (treats instance where a code does not line up with our documentation as actual arrows)
```

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



The screenshot shows a VS Code editor with three tabs: 'doc.json 2', 'scripts.js', and 'README.md'. The 'README.md' tab is active, showing the following content:

```
IWA19
<!--omit in toc-->
## Table of content

Table of Contents (up to date)
- [✅ Todo App](#todo-app)
  - [Features](#features)
  - [Requirements](#requirements)
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  - [The User Stories](#the-user-stories)
- [Data](#data)
```

The editor's status bar at the bottom indicates the file path: 'OB881_bcl2302_elzabé_SheilaKobue_DWA3_KnowledgeCheck > SHEKOB881_bcl2302_elzabé_SheilaKobue_IWA19 > README.md > ## Table of content'.