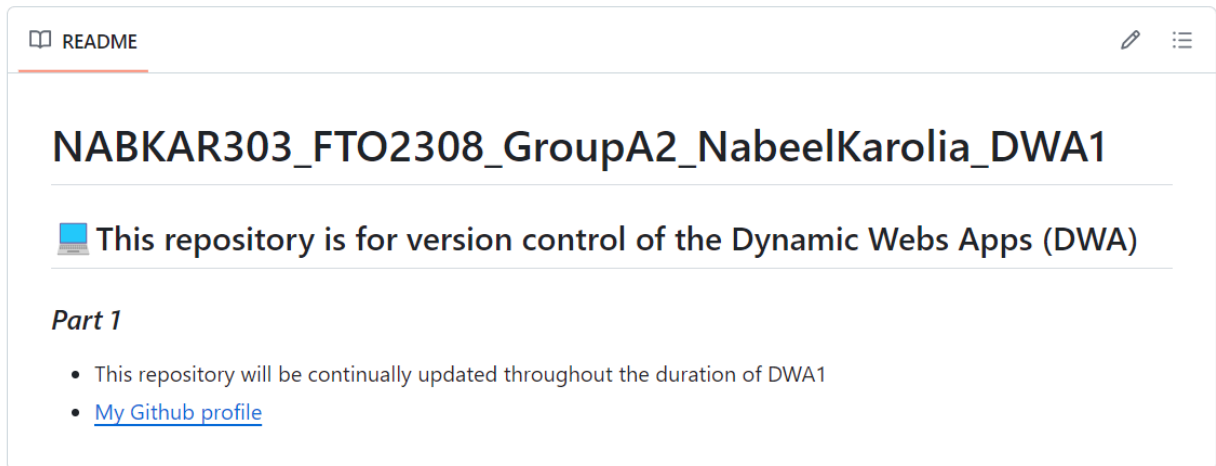


DWA_03.4 Knowledge Check_DWA3.1

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



Making use of different size headings, bold and italic text, unordered list and a link

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

```

/**
 * This function parses information thats used to create the individual tiles
 */
export const createPreviewsFragment = (books, start, end) => {
  const fragment = document.createDocumentFragment();
  const extracted = books.slice(start, end);

  for (const { author, id, image, title } of extracted) {
    const preview = createPreview({
      author,
      id,
      image,
      title,
    });

    fragment.appendChild(preview);
  }

  return fragment;
};

/**
 *code to make book preview pop up
 */
export const dataListItemHandler = (event) => {
  event.preventDefault();
  const pathArray = Array.from(event.path || event.composedPath());
  let active;


  for (const node of pathArray) {
    if (active) break;
    const previewId = node?.dataset?.preview;

    for (const singleBook of books) {
      if (singleBook.id === previewId) {
        active = singleBook;
        break;
      }
    }
  }
}

```

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

```

1 // @ts-check
2
3  *
4 * @typedef {Object} User
5 * @prop {string} name - The user's name.
6 * @prop {number} age - The user's age.
7 * /
8
9 /**
10 * @function getUser
11 * @returns {User} The user object.
12 */
13 function getUser() {
14   return {
15     name: "John",
16     age: 30,
17   };
18 }
19
20 // Using the custom type
21 const user = getUser(); // user is of type User
22 console.log(user.name); // Accessing properties with autocomplete support
23 console.log(user.age);

```

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

Npm -y init to create a package.json and then npm i -D jsdoc

```

PROBLEMS  OUTPUT  TERMINAL

+ jsdoc@3.6.3
added 25 packages from 22 contributors and audited 27 packages in 1.345s
found 0 vulnerabilities

```
