

DWA_03.4 Knowledge Check_DWA3.1

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

```
# digital-resume
```

Submission of my ITW Capstone Project.

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

```
/**
 * Creates the load out of new books dependant on what page the user is on and
 * updates the button text.
 */
const createPage = (arr) => {
  const startPosition = (state.pageNumber - 1) * BOOKS_PER_PAGE
  const endPosition = startPosition + BOOKS_PER_PAGE - 1

  const fragment = document.createDocumentFragment()
  const extracted = arr.slice(startPosition, endPosition + 1)

  for (let i = 0; i < extracted.length; i++) {
    const { author, image, title, id, description, published } = extracted[i]
    const publish = new Date(published)
    state.loaded[id] = {id, image, author, title, description, publish}
    const preview = createPreviewHtml(state.loaded[id])
    fragment.appendChild(preview)
  }
}
```

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

Lets say theres this code:

```
/**
 * The following creates an object with information about a person
 *
 * @prop {string} id - Unique string to keep track of individual person's info
 * @prop {string} name - person's first name
 * @prop {number} age - Person's age
 * /
```

Then using `/@ts-check` above the function described above, we can ensure there are no errors when inputting data

```
/@ts-check
```

```
const person = {
  id: "asdfsqwer",
  name: "John",
  age: 35,
}
```

This would produce no errors, but if I had written:

```
age: "35",
```

An error would be created as the ts check would show the age is a string and not a number.

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