

DWA_08 Discussion Questions

In this module you will continue with your “Book Connect” codebase, and further iterate on your abstractions. You will be required to create an encapsulated abstraction of the book preview by means of a single factory function. If you are up for it you can also encapsulate other aspects of the app into their own abstractions.

To prepare for your session with your coach, please answer the following questions. Then download this document as a PDF and include it in the repository with your code.

1. What parts of encapsulating your logic were easy?

The Book preview factory function:

```
const createBookPreview = (itemsArray) => {
  const newItems = document.createDocumentFragment()

  for (const { author, id, image, title } of itemsArray) {
    const element = document.createElement('button')
    element.classList = 'preview'
    element.setAttribute('data-preview', id)

    element.innerHTML = `
      

      <div class="preview__info">
        <h3 class="preview__title">${title}</h3>
        <div class="preview__author">${authors[author]}</div>
      </div>
    `

    newItems.appendChild(element)
  }

  return newItems
}
```

How to call and use the createBookPreview factory function was easy but tricky because i wasn't sure if i should return an object or just the bookPreview fragment

2. What parts of encapsulating your logic were hard?

Updating the show more button:

```
const updateShowMoreBtn = (bookArray, minBooks) => {
  html.list.button.innerText = `Show more (${bookArray.length - (page *
BOOKS_PER_PAGE)})`
  html.list.button.disabled = (bookArray.length - (page *
BOOKS_PER_PAGE)) < minBooks

  html.list.button.innerHTML = `
    <span>Show more</span>
    <span class="list__remaining"> (${(bookArray.length - (page *
BOOKS_PER_PAGE)) > 0 ? (bookArray.length - (page * BOOKS_PER_PAGE)) :
0})</span>
  `
}
```

Updating the show more button functionality I tried and abstracted it to a separate module but one of the challenges is keeping track of the page number because the function is called in different places with the code.

3. Is abstracting the book preview a good or bad idea? Why?

It is a good thing because the user does not have access to all the code for creating a book preview which makes it impossible for the user to do something mistakenly with logic of creating a book preview ; they can just call the function and pass the required parameters. This helps reduce the complexity of our code and is easy to decouple.
