

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 newItem = document.createDocumentFragment()

  for (const { author, id, image, title } of itemsArray) {
    const element = document.createElement('div')
    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>
    `

    newItem.appendChild(element)
  }

  return newItem
}
```

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>  
  `
```

I had to call this function several times and also keeping track of the page variable and the books array

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 also reduces duplication of code.
