

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?

Creating functions which are being called when an event occurs, by using event listeners.

```
const showSettingsMenu = (event) => {
  event.preventDefault()
  html.settings.overlay.showModal()
}

html.settings.button.addEventListener('click', showSettingsMenu)
```

2. What parts of encapsulating your logic were hard?

Creating new functions that replace code duplication and knowing what to place inside certain functions.

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

Adding abstraction to the book preview is a good idea. Splitting it up into two functions that handle two separate functionalities such as checking if a book preview is active and creating a book preview.

```
const activePreview = (event) => {
  event.preventDefault()
  let active = null

  const bookPreview = event.target.closest('.preview')
  const bookPreviewId = bookPreview.getAttribute('data-preview');

  for (const book of books) {
    if (active) break

    if (book.id === bookPreviewId) {
      active = book
    }
  }

  if (active) {
    const { title, image, description, published, author } = active
    html.list.active.open = true
    html.list.blur.src = image
    html.list.image.src = image
    html.list.title.innerText = title
    html.list.subtitle.innerText = `${authors[author]} (${new Date(published).getFullYear()})`
    html.list.description.innerText = description
  }

  html.list.close.addEventListener('click', () => {
    html.list.active.open = false
  })
}
```