Final Capstone

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Why did the original code not work?

*Syntax errors (incorrect spelling)

*Semantic errors (objects are empty),

*Performance and readability issues

*There is no data connected to the script to reference from

What changes did I need to make and what did the change result in the intended behaviour

1. Had to export data from the data.js file and imported it to the scripts.js file.

   *The imported data helps with the referencing in the script.js file.

```
import {authors} from "./data.js"
import {genres} from "./data.js"
import  {books} from "./data.js"
```

What changes did I need to make and what did the change result in the intended behaviour

2. Fixed the search button so that the user is able to search for their own desired books.

This code is for two buttons that help you search and change settings on a website. When you click the search button, a search box appears on the screen. When you click the cancel button in the search box, the search box disappears. When you click the settings button, a settings box appears on the screen. When you click the cancel button in the settings box, the settings box disappears. These buttons help you find things and change the website to your liking.

```javascript
const searchbutton = document.querySelector("[data-header-search]");
searchbutton.addEventListener('click', (event) => {
  document.querySelector("[data-search-overlay]").style.display = "block";
})
const searchCancel = document.querySelector("[data-search-cancel]");
searchCancel.addEventListener('click', (event) => {
  document.querySelector("[data-search-overlay]").style.display = "none";
})
//Settings
const settingbutton = document.querySelector("[data-header-settings]")
settingbutton.addEventListener('click', (event) => {
  document.querySelector("[data-settings-overlay]").style.display = "block";
})
const settingCancel = document.querySelector('[data-settings-cancel]')
settingCancel.addEventListener('click', (event) => {
document.querySelector("[data-settings-overlay]").style.display = "none";
})
```

What changes did I need to make and what did the change result in the intended behaviour

3. Fixed the settings button so that the user can be able to change modes from light to dark and vise versa.

This code is for changing the colors of the webpage. When you click the "Save" button in the settings form, it will check if you selected "day" or "night" mode. If you chose "day" mode, it will change the colors to a light theme. If you chose "night" mode, it will change the colors to a dark theme. After that, the settings overlay will disappear.

```javascript
const dataSettingsTheme =
document.querySelector('[data-settings-theme]')
const saveButton = document.querySelector('[form="settings"]')
saveButton.addEventListener('click', (event) =>{
    event.preventDefault()
  if (dataSettingsTheme.value === 'day') {
    document.querySelector('body').style.setProperty('--color-dark',
day.dark)
    document.querySelector('body').style.setProperty('--color-light',
day.light)
    document.querySelector("[data-settings-overlay]").style.display =
"none";
    }

  if (dataSettingsTheme.value === 'night') {
    document.querySelector('body').style.setProperty('--color-dark',
night.dark)
    document.querySelector('body').style.setProperty('--color-light',
night.light)
    document.querySelector("[data-settings-overlay]").style.display =
"none";
    }
} )
```

What changes did I need to make and what did the change result in the intended behaviour

4. Fixed the show more button so that if the user wants to see all the books they can just select the show more button and the books will show.

I made this code for a button that shows more books when you click it. When you first see the button, it tells you how many more books you can see. When you click the button, it shows you more books. The button also updates to tell you how many more books you can still see. The new books are added to a list of books that you can scroll through on the screen.

```javascript
const showMoreButton = document.querySelector('[data-list-button]')
let numOfBooks = books.length -36
showMoreButton.innerHTML = `Show more (${numOfBooks})`
if(showMoreButton.innerHTML === `Show more (${-12})`){
showMoreButton.innerHTML = `Show more (${0})`
showMoreButton.disabled = true
}
showMoreButton.addEventListener('click', () => {
    const fragment = document.createDocumentFragment()
    startIndex += 36;
    endIndex += 36;
    numOfBooks -= 36;
    let numOfBooks1 = numOfBooks
    showMoreButton.innerHTML = `Show more (${numOfBooks1})`
    const startIndex1 = startIndex
    const endIndex1 = endIndex
    const extracted = books.slice(startIndex1, endIndex1)
for (const {author ,image, title, id , description, published} of extracted) {
    const preview = document.createElement('button')
    preview.className = 'preview'
    preview.dataset.id = id
    preview.dataset.title = title
    preview.dataset.image = image
    preview.dataset.subtitle = `${authors[author]} (${(new Date(published)).getFullYear()})`
    preview.dataset.description = description
    // preview.dataset.genre = genres
    preview.innerHTML = /*html*/`
    <div class="child" >
    <image class='preview__image' src=" ${image}" alt="book pic"}/>
    </div>
    <div class='preview__info'>
    <dt class='preview__title'> ${title}<dt>
    <dt class='preview__author'> By  ${authors[author]}</dt>
    </div>`
    fragment.appendChild(preview)
    }
const booklist1 = document.querySelector('[data-list-items]')
booklist1.appendChild(fragment)
})
```

What changes did I need to make and what did the change result in the intended behaviour

5. Make sure that if a user selects a certain book the book must show its details (who wrote it, what is it about, when was it released and who the author is)

*This is a code that allows you to click on a book in a list and see its details. When you click on a book, a pop-up window appears that shows the book's title, author, image, and description. If you click on the close button, the window disappears.

```javascript
const detailsToggle = (event) => {
    const overlay1 = document.querySelector('[data-list-active]');
    const title = document.querySelector('[data-list-title]')
    const subtitle = document.querySelector('[data-list-subtitle]')
    const description = document.querySelector('[data-list-description]')
    const image1 = document.querySelector('[data-list-image]')
    const imageblur = document.querySelector('[data-list-blur]')
    event.target.dataset.id ? overlay1.style.display = "block" : undefined;
    event.target.dataset.description ? description.innerHTML = event.target.dataset.description :
undefined;
    event.target.dataset.subtitle ? subtitle.innerHTML = event.target.dataset.subtitle :
undefined;
    event.target.dataset.title ? title.innerHTML = event.target.dataset.title : undefined;
    event.target.dataset.image ? image1.setAttribute ('src', event.target.dataset.image) :
undefined;
    event.target.dataset.image ? imageblur.setAttribute ('src', event.target.dataset.image) :
undefined;
};
const detailsClose = document.querySelector('[data-list-close]')
detailsClose.addEventListener('click', (event) => {
document.querySelector("[data-list-active]").style.display = "none";
})
const bookclick = document.querySelector('[data-list-items]')
bookclick.addEventListener('click', detailsToggle)
const bookclickInSearch = document.querySelector('[data-list-message]')
bookclickInSearch.addEventListener('click', detailsToggle)
```

What changes did I need to make and what did the change result in the intended behaviour

6. Remove the previously searched book and append the new ones.

To remove the previously searched items to make space for the new searched items, I made the computer call something on the screen called "data-list-items" and make it disappear

```
document.querySelector('[data-list-items]').style.display = 'none'
```

What changes did I need to make and what did the change result in the intended behaviour

8. When home button (Book Connect) is clicked it must refresh the page.

For the home button I created a code of a home button that appears on the page. When you click on it, it will take you back to the main page with all the books displayed. The code makes sure that the books are shown in a special way so you can see all of them, and it hides the message area. It also enables the button that lets you search for books again.

```javascript
const homeButton =
document.querySelector('[class="header__tex
t"]');
homeButton.addEventListener('click',()=>{
document.querySelector("[data-list-items]")
.style.display = "block";
document.querySelector("[data-list-items]")
.style.display = "grid";
document.querySelector("[data-list-message]
").style.display = "none";
document.querySelector('[data-list-button]'
).disabled = false
document.querySelector('[data-list-button]'
).innerHTML = `Show more (${books.length -
36})`
})
```

What changes did I need to make and what did the change result in the intended behaviour

9. The message (no result found. Your filters might be too narrow) must not show if indeed what the user is searching is there, the books are the only thing that shows if not then the message can appear.

This line of code finds an area on the webpage where messages can be shown, and it changes the text of the message to say "No results found. Your filters might be too narrow." This might happen when someone searches for a book using specific criteria, but no books match those criteria.

document.querySelector('[data-list-message]').inner Text = 'No results found. Your filters might be too narrow.'

```
document.querySelector('[data-list-items]').style.display = 'none'
```

What changes did I need to make and what did the change result in the intended behaviour

10. Disable the show more button after a search is complete and also when at the last section or page of the book must disable.

This code is checking if there are any books that match the filters you selected. If there are some books, it will make a message disappear, move the button to the bottom, and disable it. But if there are no books that match the filters, it will show a message saying that no books were found and disable the button.

```javascript
if (filteredBooks.length > 0){

document.querySelector('[data-list-message]').innerText = ''

document.querySelector('[data-list-button]').disabled = true

document.querySelector('[data-list-message]').style.marginTop = '-125px';
    } else{

document.querySelector('[data-list-message]').innerText = 'No results found. Your filters might be too narrow.'

document.querySelector('[data-list-button]').disabled = true
    }
```

What changes did I need to make and what did the change result in the intended behaviour

11. Fix the margin at the top so that it must stay the same after a search has been completed.

```
document.querySelector('[data-list-message]').style.marginTop = '-125px';
```

This code sets the top margin of an element with a specific data attribute called "data-list-message" to a negative value of 125 pixels. This means that the element will move upwards by 125 pixels from its original position.