

# Capstone Project

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The task given to us was to add functionality to the program as well fix any broken code:

The requirements included:

- Making a preview available for the user
- The user must be able to click and see the summary of the book
- The user must be able to search and filter throughout the program
- The user must be able to switch between light and dark mode

# How i made the preview to be displayed

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I had to make sure I understood the code that had been given.

As soon after i had to declare all the variables that had to be used for the entire project.

I looped through the first 36 books and displayed them with their title, author and image.

I then had to set a counter to keep track of the number of books that had been previewed for when the user clicks on the show more button the program is able to continue from the last book.

# How can the user be able to click and a summary be displayed

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For the user to be able to click on the book they want to be displayed to read the summary i had to have an eventhandler for the item that is being clicked.

And see which node it is coming from

After finding the node the program should loop and find the position of the book.

The program had to loop into the books array to find the data of that one book and exit the loop.

The program then needed to associate the author with autorID and then display the summary.

# How can the user search and filter

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In order for the user to be able to search and filter a form must be displayed and the program must retrieve the data from the form.

After that the program should loop into the books array and and associate each specific value from the form to the program.

As soon as the program associates the data we must check if it is what the user wants to be displayed on the page by using If statements to narrow down the user search.

After narrowing the users search the program must display the data onto the page so the user can be able to see the options.

## How the user can change between light and dark mode

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In order for the user to be able to switch between light and dark mode

The program must create the values for the colours that must be displayed.

After the colours have been created.

When the user click on the save button the changes depending on the option they have chosen will be displayed throughout the program.