The Proposal

Overall:

My proposal is to create a webpage where users can search for books by either their title or the author's name. I envision a clean and user-friendly interface with a prominent search bar for easy access. It will use a Google API to find the data. I will try to add all the description possible to make this page a really useful page. I believe this idea is well thought out and practical, considering the available time and resources. I will add some animations to make the page more vivid.

Overview:

Why are we doing this? What is the problem we are trying to solve?

We're creating this webpage to address the common problem of finding specific books quickly and efficiently. Many readers often struggle to locate books they're interested in, either because they can't remember the exact title or because they're unfamiliar with the author's name.

Who is the audience?

The primary audience for this webpage includes book enthusiasts, students, researchers, and anyone else seeking literary content.

Major Functions:

Search by Title:

Allow users to input the title of a book into a search bar.

Perform a search query against the database to find exact or partial matches of the title.

Display search results dynamically as the user types or upon hitting the search button.

Include pagination to manage large result sets.

Search by Author:

Provide a separate search option where users can input the name of the author.

Perform a search query against the database to find books written by the specified author.

Display search results dynamically, similar to the title search.

View Book Details:

Allow users to click on a book title or author name from the search results to view detailed information about the book.

Display key details such as title, author, publication date, genre, ISBN, synopsis, and cover image.

Include additional features like ratings, reviews, and links to purchase or borrow the book from external sources like google.

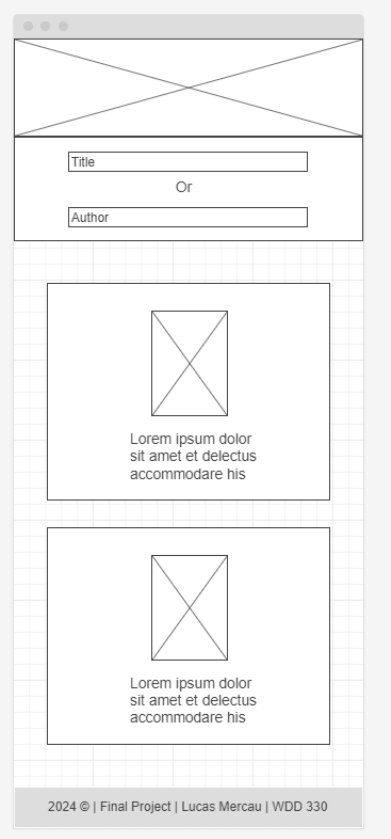
Responsive Design:

Ensure the application is responsive and compatible with various devices and screen sizes, including desktops, laptops, tablets, and smartphones.

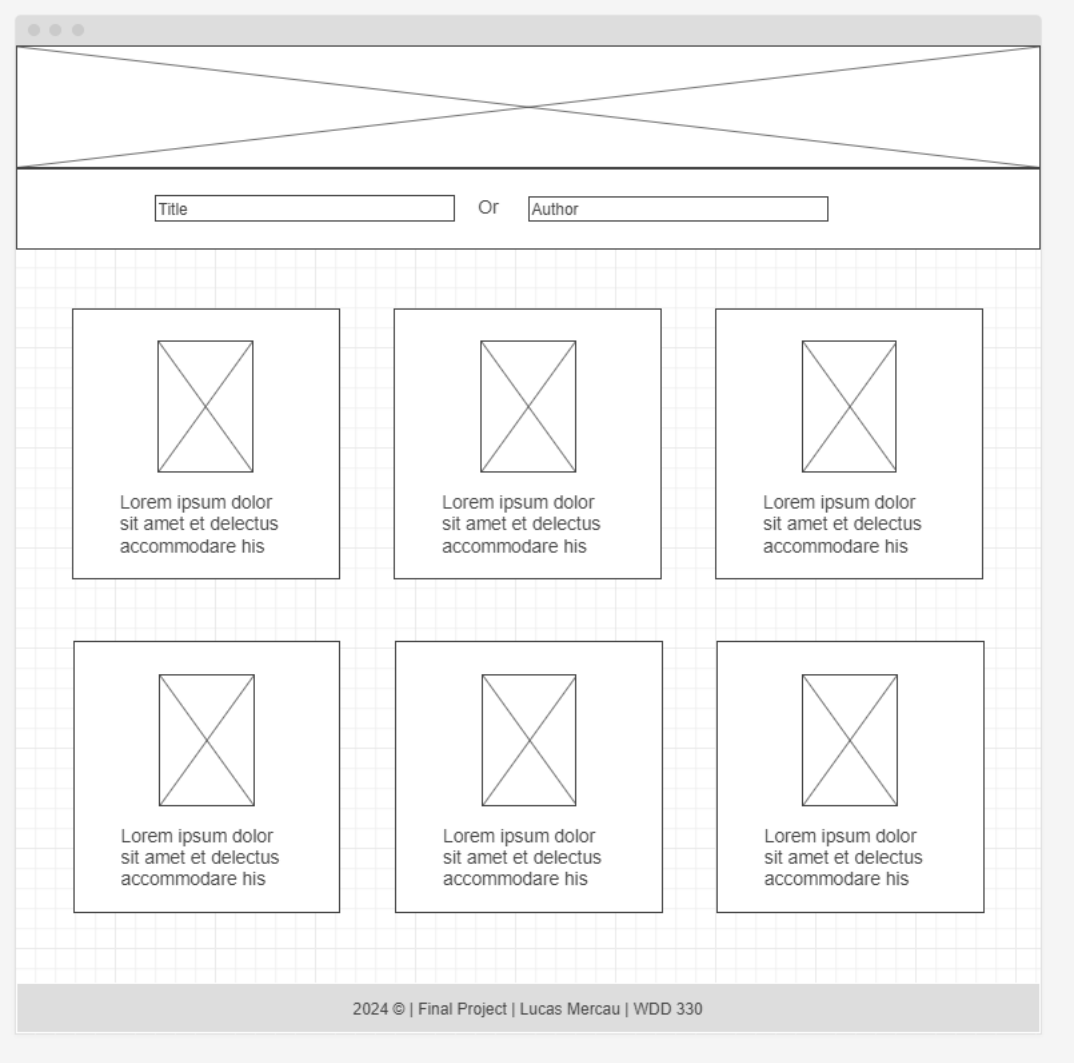
Utilize responsive design techniques such as fluid layouts, flexible grids, and media queries to optimize the user experience across different devices.

Wireframes:

Mobile view:



Desktop view:



Data Sources:

The data source that I will use for this web page is an external API from google:

https://www.googleapis.com/books/v1

Initial Module List:

Module 1 (config.js) handles application configuration.

Module 2 (utils.js) contains utility functions.

Module 3 (template.js) includes CSS styles and scripts for initial UI setup.

Color, Typography, and Specific Element Styling:

Color:

Steel Blue - Hex: #4682B4

Sky Blue - Hex: #87CEEB

Typography:

Georgia, Roboto.

Specific Element Styling:

Card layout to display individual books.

Search bar at the top of the page, styled with contrast and a placeholder text.

Buttons with a solid background color with rounded corners and hover effects.

A footer section at the bottom of the page with links to social media.

Schedule:

Week 5:

Research libraries, and tools to use.

Develop the basic layout and structure of the webpage using HTML and CSS.

Create compatibility across different devices.

Week 6:

Implement APIs or third-party integrations for accessing book information.

Implement the search functionality using JavaScript and AJAX to provide real-time search results.

Style the webpage elements according to the chosen color palette and typography.

Week 7:

Identify and fix any bugs or issues discovered during testing.

Iterate on design and functionality based on feedback from members of my team, making any necessary improvements or adjustments.

Send Final Project with a Portfolio.

Trello Board:

https://trello.com/b/Ur3Tu9aS/wdd-330-final-project