Website Development Project

List of files used:

- **Assignment.php**
  - Is the first page the user sees, it is where the user enters their login details and are processed through login.php or otherwise is prompted to go to the registration page (ProjectCreateUser.php) if they want to create a user to log into the website.
  - The user can also select from the header of the page whether they want to go to the login page via the 'Login' tab in which case they are directed to Assignment.php (same page currently on – used to remain header consistency), want to go to the registration page via the 'Registration Page' in which case they are directed to ProjectCreateUser.php

- **ProjectCreateUser.php**
  - Is the page where the user enters their registration details and are processed through registration.php or otherwise is prompted to go to the login page if they already have an account (Assignment.php).
  - The user can also select from the header of the page whether they want to go to the login page via the 'Login' tab in which case they are directed to Assignment.php, want to go to the registration page via the 'Registration Page' in which case they are directed to ProjectCreateUser.php (same page currently on – used to remain header consistency).

- **login.php**
  - Where the data is submitted to be processed to check if the user's login details were entered correctly or incorrectly from Assignment.php.
  - If the user's login details were entered correctly and are found in the database, they are directed to ProjectLogin.php.
  - If the user's login details were entered incorrectly or are not found in the database, the user is displayed a sufficient error message inside the Assignment.php page.

- **registration.php**
  - Where the data is submitted to be processed to check if the user's registration details were entered correctly or incorrectly from ProjectCreateUser.php.
  - If the user successfully entered their details, their details are submitted to the database and the user is directed to Assignment.php and are told that their Account was created successfully.

- Or if the user incorrectly entered their details, a sufficient error message is displayed to Assignment.php indicating whether they didn't fill all the fields in, mobile number wasn't 10 digits long, password wasn't 6 digits long, or username/phone number is already taken or incorrectly entered or the password confirmation was entered incorrectly.

- **ProjectLogin.php**
  - Is the page the user is directed to after logging in successfully and is prompted to either search by book/author by search bar and directed to search.php or by category of the books by dropdown menu and directed to search2.php.
  - The user can also select from the header of the page whether they want to view their reservations via the 'Reservations' tab in which case they are directed to reserved.php, want to go back to the login page via the 'Login' tab in which case they are directed to Assignment.php, want to Book Search via the 'Book Search' tab in which case they are directed to ProjectLogin.php (same page currently on – used to remain header consistency) or want to go back to the registration page via the 'Registration Page' in which case they are directed to ProjectCreateUser.php

- **search.php**
  - The text is grabbed from the search bar from ProjectLogin.php and if the text does not correlate to a book they were looking for 'No Results' is displayed.
  - If a book is found, a table of the details of the book is displayed along with if the user wants to reserve book in which case the user is directed to reserve.php
  - Pagination is also included to allow only 5 rows for the table per page.
  - The user can also select from the header of the page whether they want to view their reservations via the 'Reservations' tab in which case they are directed to reserved.php, want to go back to the login page via the 'Login' tab in which case they are directed to Assignment.php, want to Book Search via the 'Book Search' tab in which case they are directed to ProjectLogin.php or want to go back to the registration page via the 'Registration Page' in which case they are directed to ProjectCreateUser.php

- **search2.php**
  - The value from the dropdown menu is grabbed from ProjectLogin.php and displays all the details of the books that are from the Category chosen and the user can reserve a book if they desire and if so, they are directed to reserve.php
  - Pagination is also included to allow only 5 rows for the table per page.
  - The user can also select from the header of the page whether they want to view their reservations via the 'Reservations' tab in which case they are directed to reserved.php, want to go back to the login page via the 'Login' tab in which case they are directed to Assignment.php, want to Book Search via the 'Book Search' tab in which case they are directed to ProjectLogin.php or want to go back to the registration page via the 'Registration Page' in which case they are directed to ProjectCreateUser.php

- **reserve.php**
    - If book selected from either search.php or search2.php is not already reserved, the book is reserved, and this is displayed to the user. The details are inserted into the reservations table and updates the books table to show that it is reserved.
    - If book is already reserved, 'Book Already Reserved' is displayed to the user.
    - The user can also select from the header of the page whether they want to view their reservations via the 'Reservations' tab in which case they are directed to reserved.php, want to go back to the login page via the 'Login' tab in which case they are directed to Assignment.php, want to Book Search via the 'Book Search' tab in which case they are directed to ProjectLogin.php or want to go back to the registration page via the 'Registration Page' in which case they are directed to ProjectCreateUser.php

- **reserved.php**
    - If the user selected the 'Reservations' tab from the header they are directed to reserved.php, the username of the current user is grabbed using sessions when the user logged in from Assignment.php and displays the reservations made by this user and the user is also prompted if they want to Remove the reservation in which case they are directed to remove_reserve.php
    - Pagination is also included to allow only 5 rows for the table per page.
    - The user can also select from the header of the page whether they want to view their reservations via the 'Reservations' tab in which case they are directed to reserved.php (same page currently on – used to remain header consistency), want to go back to the login page via the 'Login' tab in which case they are directed to Assignment.php, want to Book Search via the 'Book Search' tab in which case they are directed to ProjectLogin.php or want to go back to the registration page via the 'Registration Page' in which case they are directed to ProjectCreateUser.php

- **remove_reserve.php**
    - Value of the book ID is passed from reserved.php and deletes the row of this book ID from the reservations table and updates the books table to show that it is no longer reserved.
    - The user can also select from the header of the page whether they want to view their reservations via the 'Reservations' tab in which case they are directed to reserved.php, want to go back to the login page via the 'Login' tab in which case they are directed to Assignment.php, want to Book Search via the 'Book Search' tab in which case they are directed to ProjectLogin.php or want to go back to the registration page via the 'Registration Page' in which case they are directed to ProjectCreateUser.php

- **ProjectConnectToHost.php**

- Is the file in which all the php files are connected to, this file creates a connection between the webpage and the database in which the data is being retrieved/ sent to, and if the connection failed this is displayed to the user (very rare).

- **style.css**
  - Used to style Assignment.php

- **style2.css**
  - Used to style ProjectCreateUser.php

- **style3.css**
  - Used to style ProjectLogin.php, reserve.php, reserved.php, remove_reserve.php

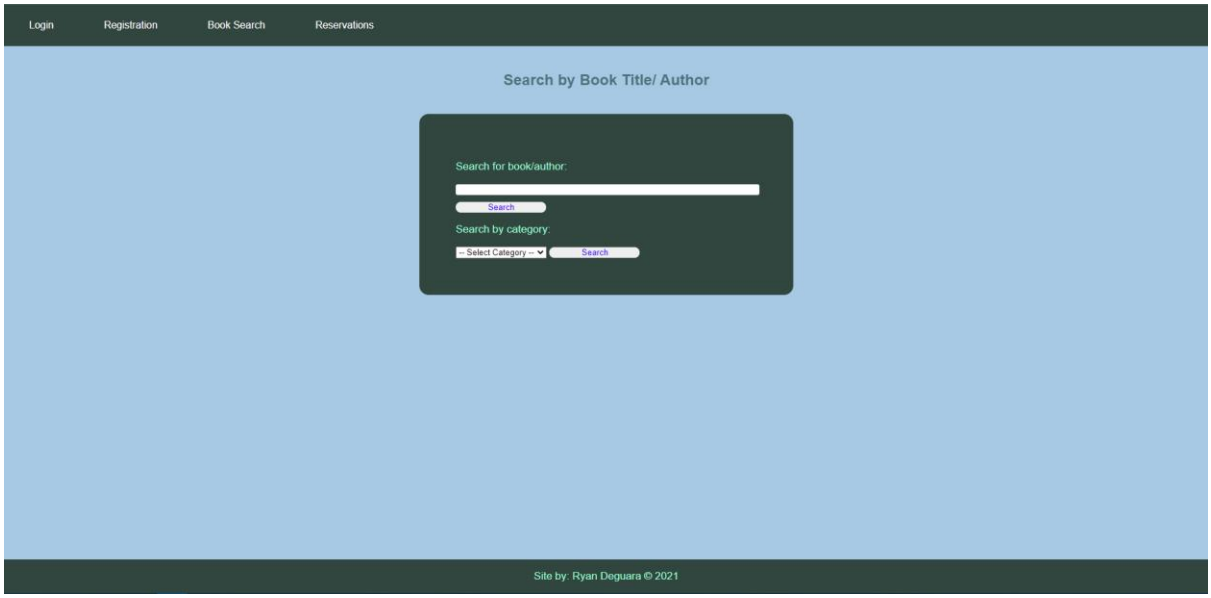
- **style4.css**
  - Used to style search.php, search2.php

Screenshots:

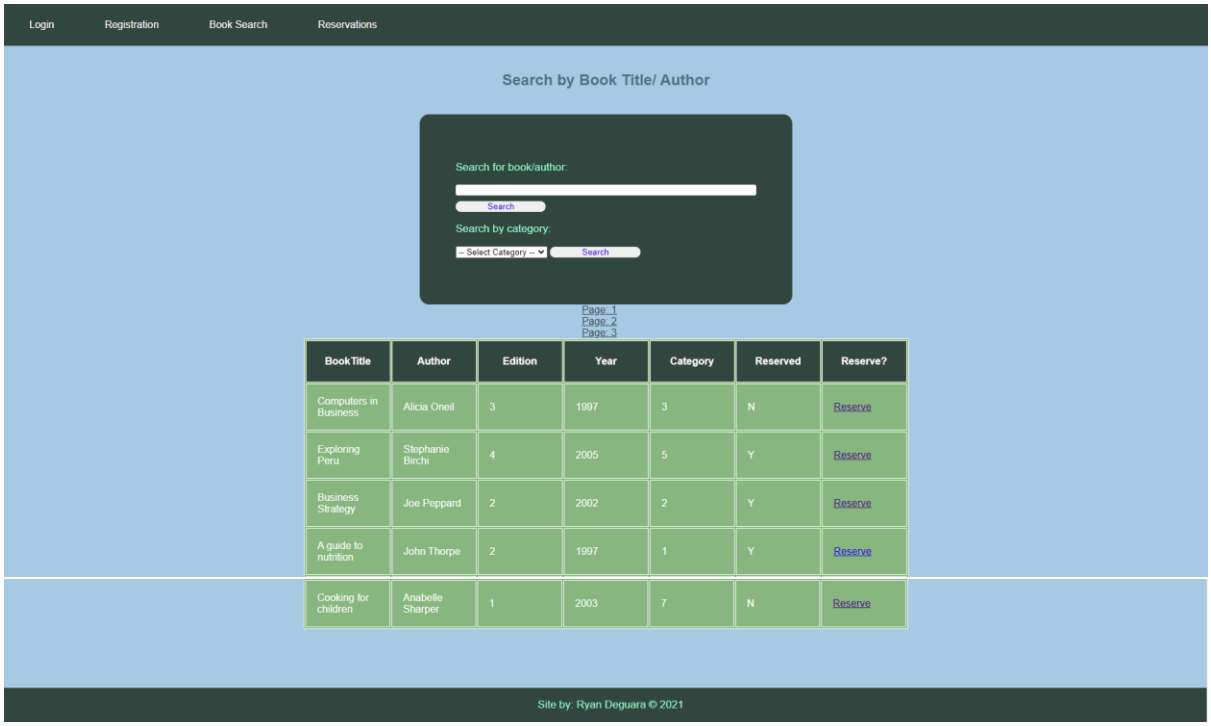
- Assignment.php

- ProjectCreateUser.php

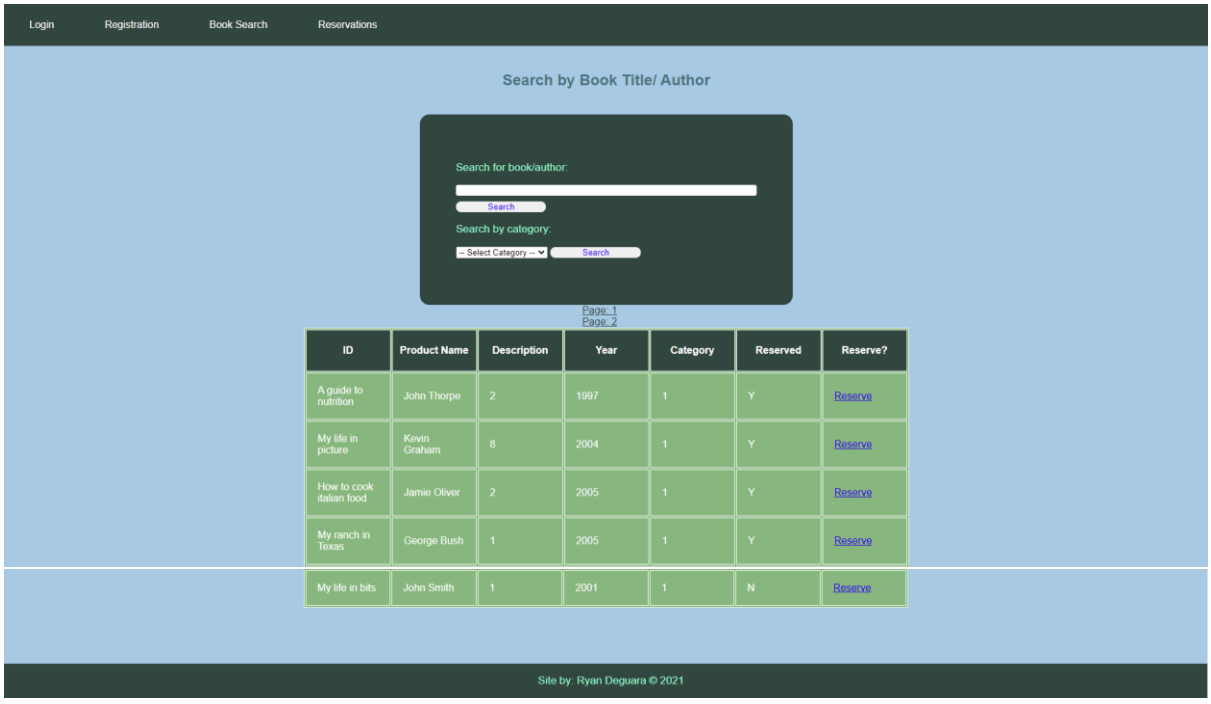
- ProjectLogin.php



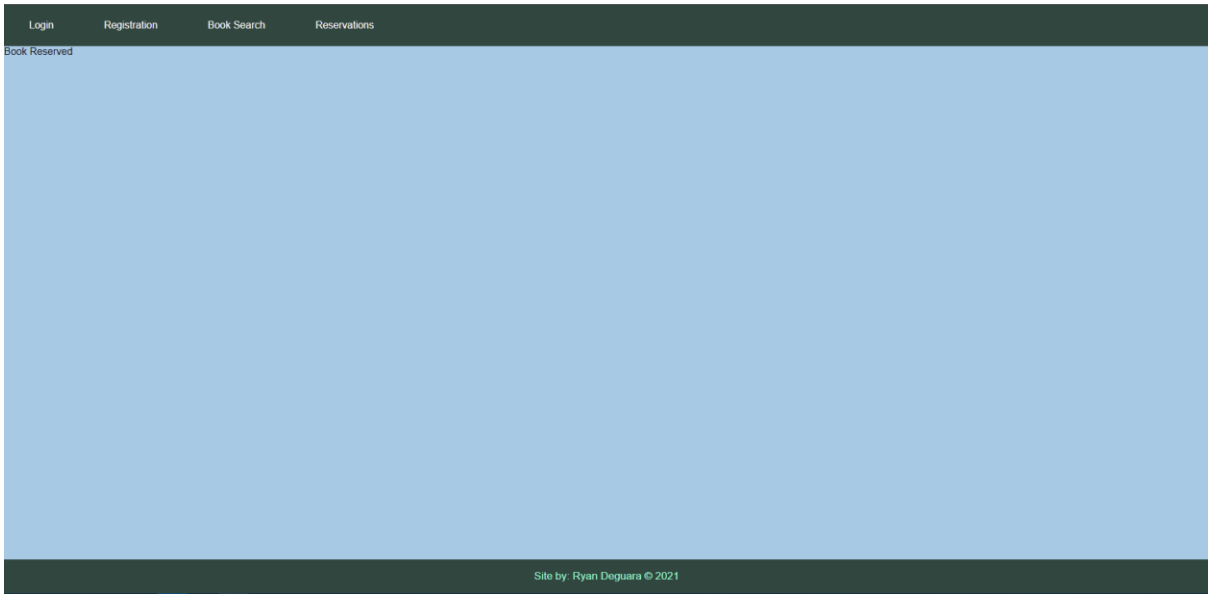
- search.php



- search2.php

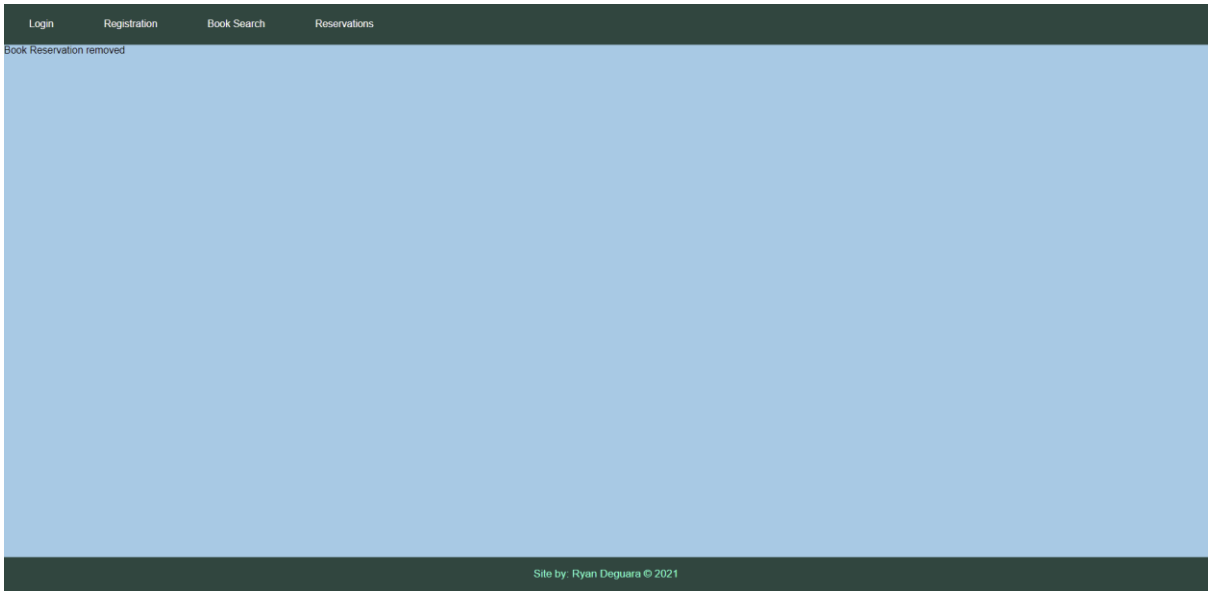


- reserve.php



- reserved.php

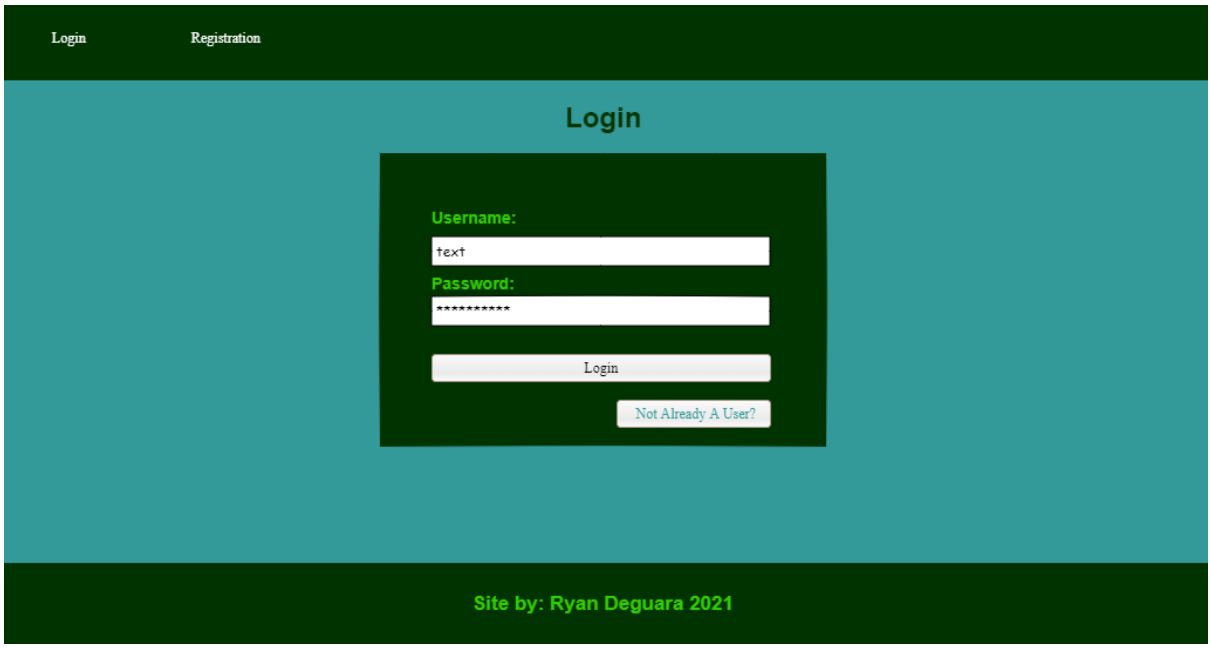
- remove_reserve.php



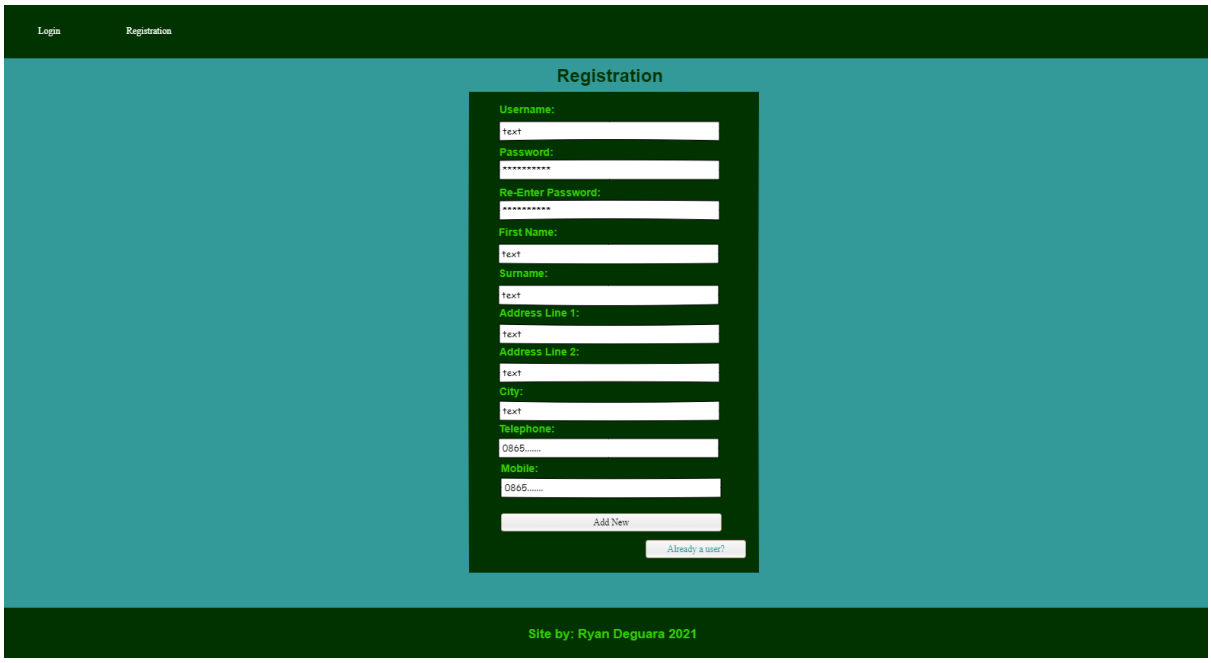
Design Document:

Wireframes:

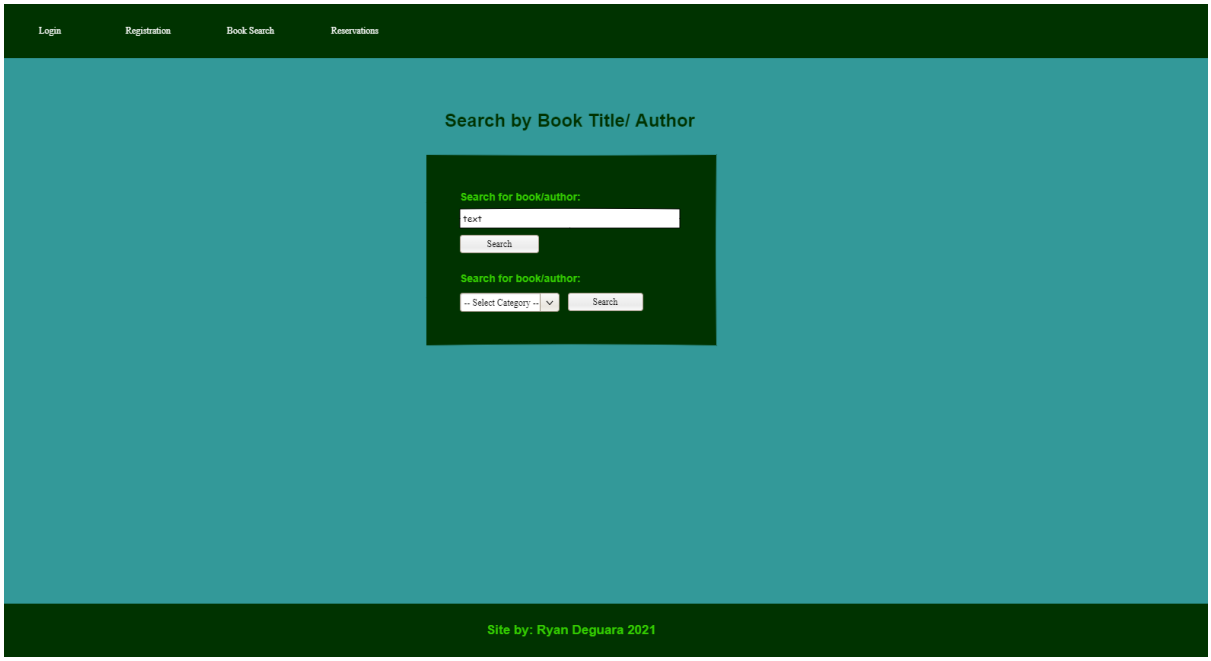
Login Page:



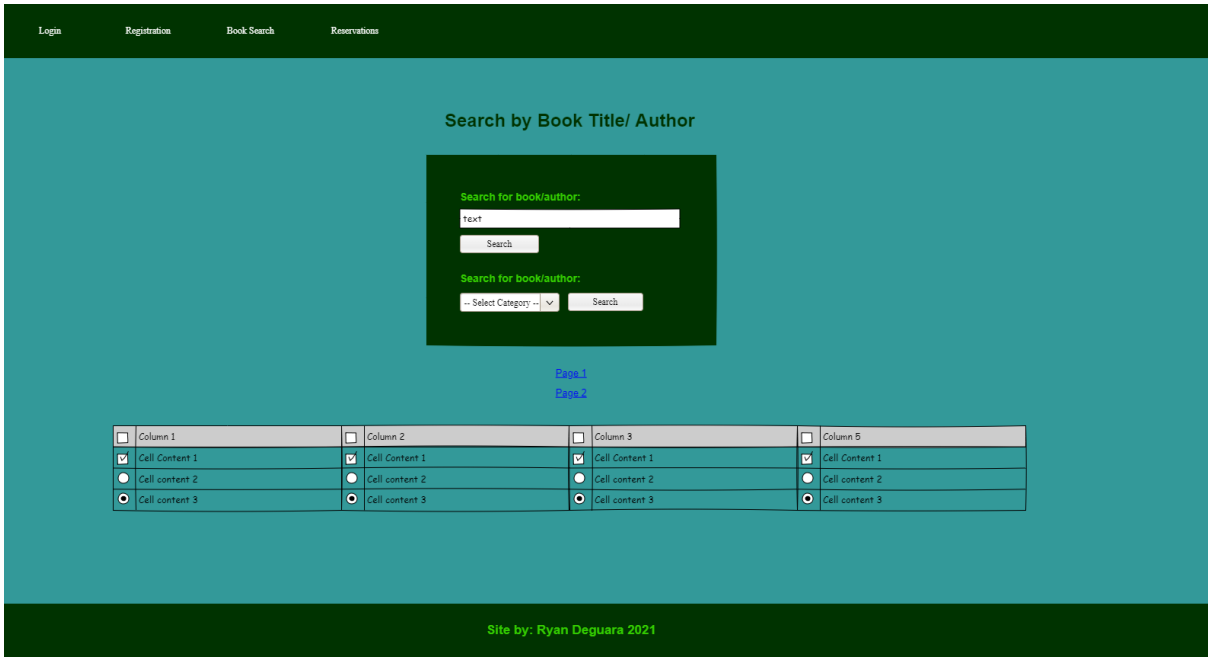
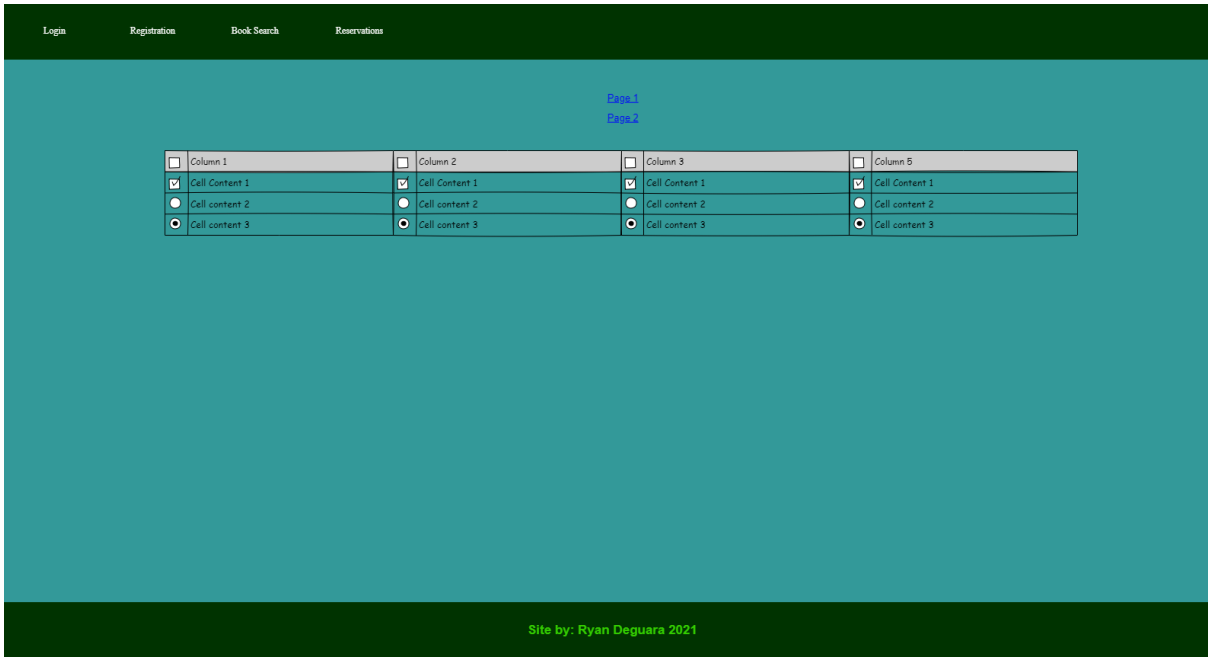
Registration Page:



Logged In Page:



Search Page:



Reservations Page: