BOOKMANIA

Code Documentation

Abstract

In this documentation we talk about everything about this code in details and how we made this amazing website and it’s functionalities

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The Websites Main Idea:

The main idea for a bookstore website is to **bridge the gap between readers and books**, creating a seamless experience for bibliophiles of all stripes. Imagine a virtual haven where you can:

- **Browse a vast, curated selection:** From bestsellers to hidden gems, find books across genres and formats (e-books, audiobooks, physical copies) with intuitive search and recommendation tools.
- **Dive deeper:** Read book excerpts, reviews, and author bios, peek inside illustrations, and even listen to sample chapters to fuel your reading fire.
- **Connect with fellow bookworms:** Form communities around shared interests, discuss favorite reads, and discover recommendations from real people.
- **Shop with ease:** Secure checkout, convenient delivery options, and personalized wishlists make buying books a joy.
- **Go beyond the book:** Host online events with authors, book clubs, and reading challenges, fostering a love for literature beyond the pages.

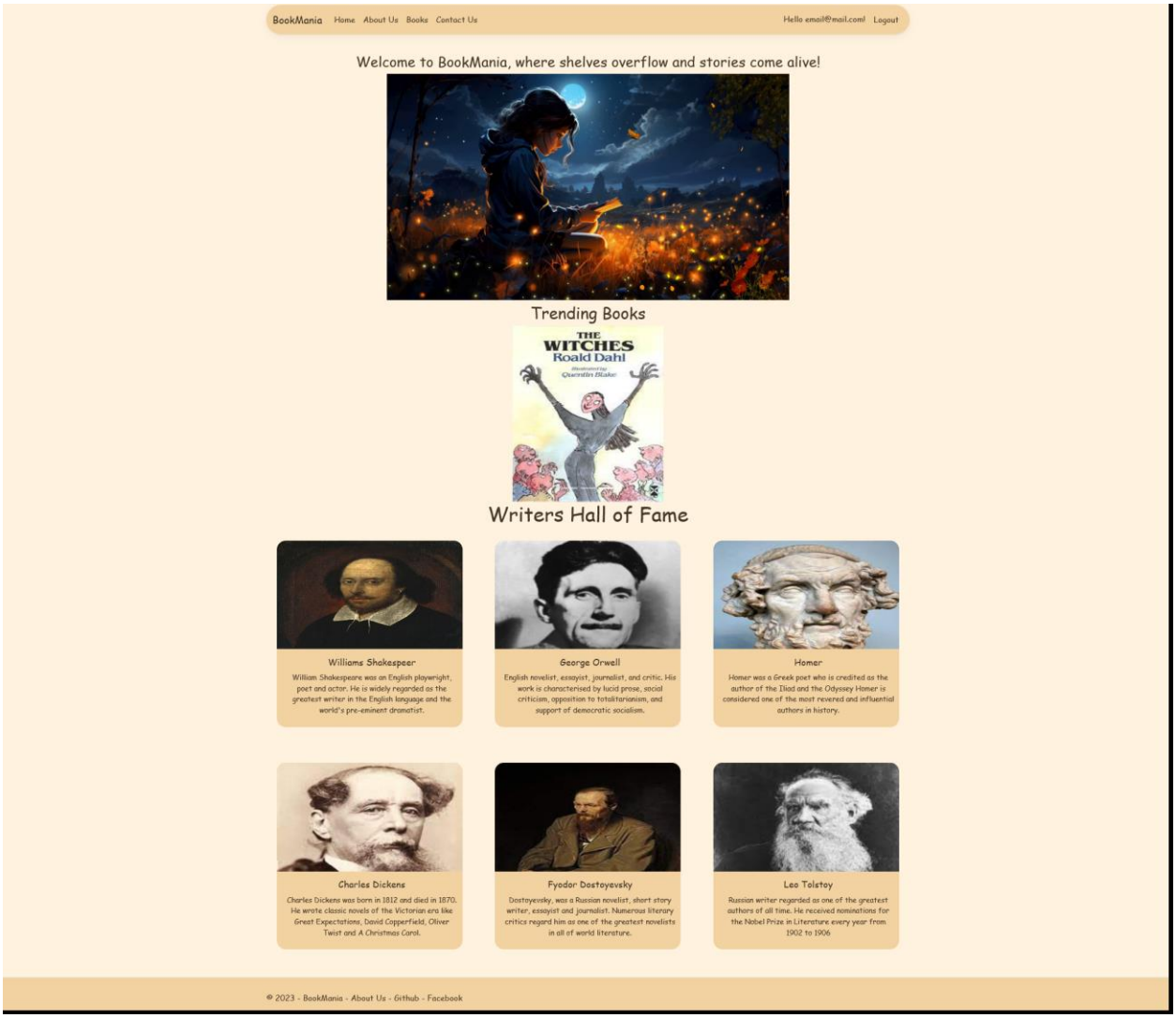
This website wouldn't just sell books; it would celebrate the magic of reading, fostering a vibrant community of book lovers in the digital age.

Website's Pages:

- Home Page
- Books Page:
  i. Index Page
  ii. Details Page
  iii. Create Page
  iv. Delete Page
  v. Edit Page
- About Us Page
- Contact Us Page:
  i. Index Page
  ii. Details Page
  iii. Create Page
  iv. Delete Page
  v. Edit Page
- Login Page
- Register Page

The Website's Main Pages and it's functionalities:

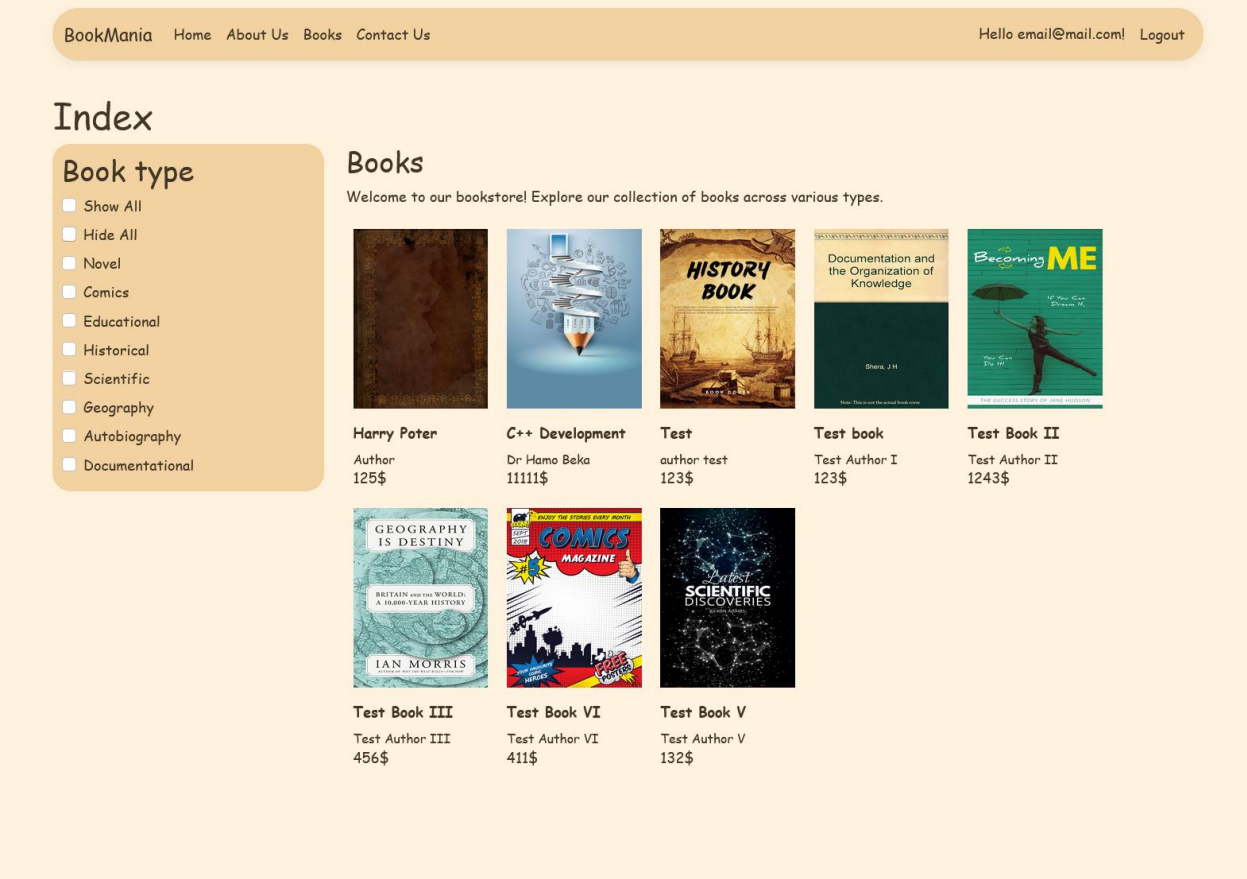
- ## Home Page



In the home page there is a navigation bar which is universal for the whole website, it contaions links that connects the website with each other which are(Home, About Us, Books, Contact Us) And it is planned to add more pages in the future.

The first thing you will see in the home page is a welcome phrase then a relaxing video, It then shows the current trending books and after that the most famous writers and some info about them also you can press on any writer and it will redirect you to his wikipidea.

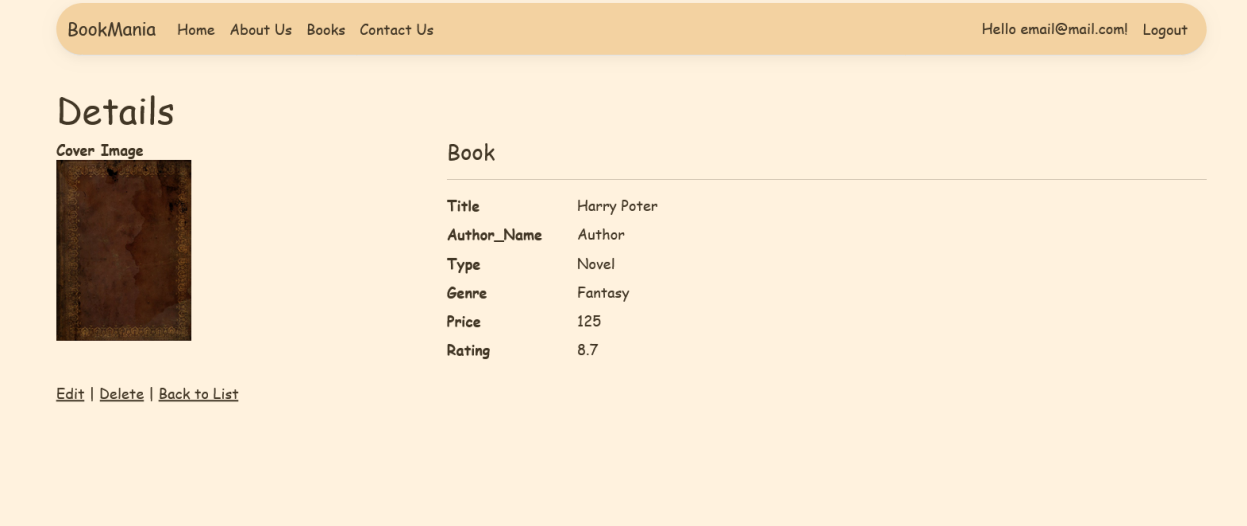
- [Books Page]



The first subpage in the Books page which is the index page which shows every book in the website it shows the cover of the book, The title, The author and lastly the price.

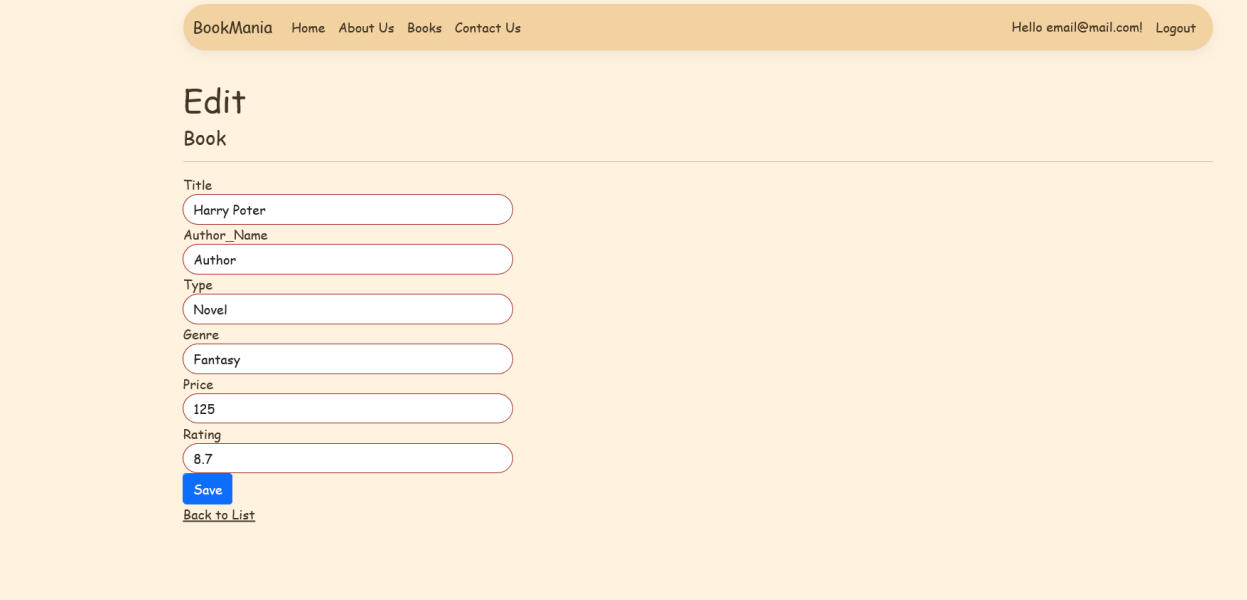
On the left side there is a side bar which contains the Book types that allows the user to select any type he wants to show that specific type and you can choose to show all books or hide books.

You can access the details of every book via pressing on it.

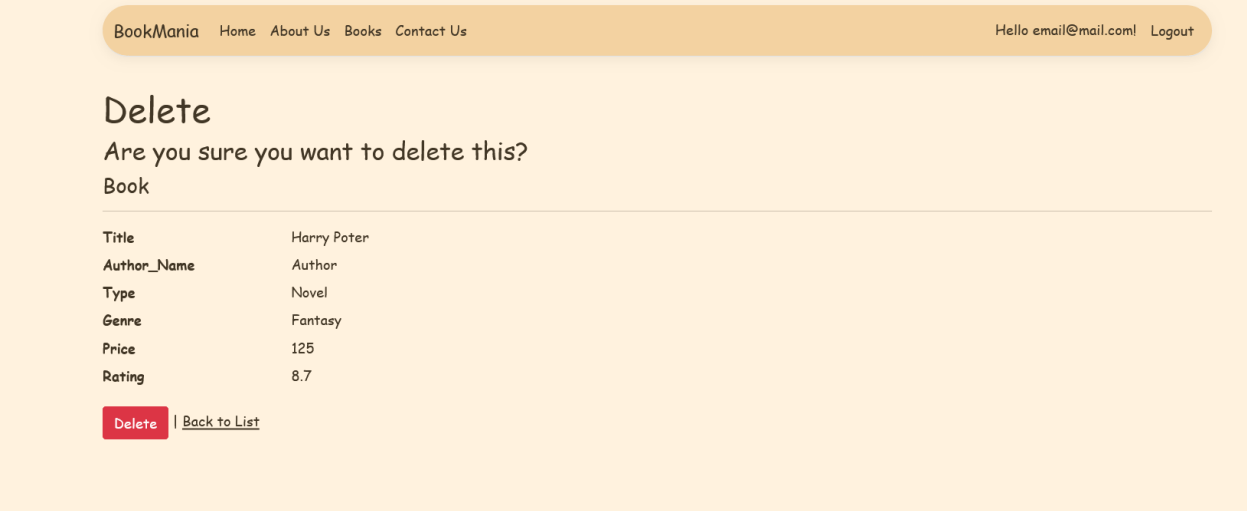


The second page is the details page which you can access through selecting any book on the index page it shows all the details of that specific book such as:Title, Author name, Type, Genre, Price and the Rating.

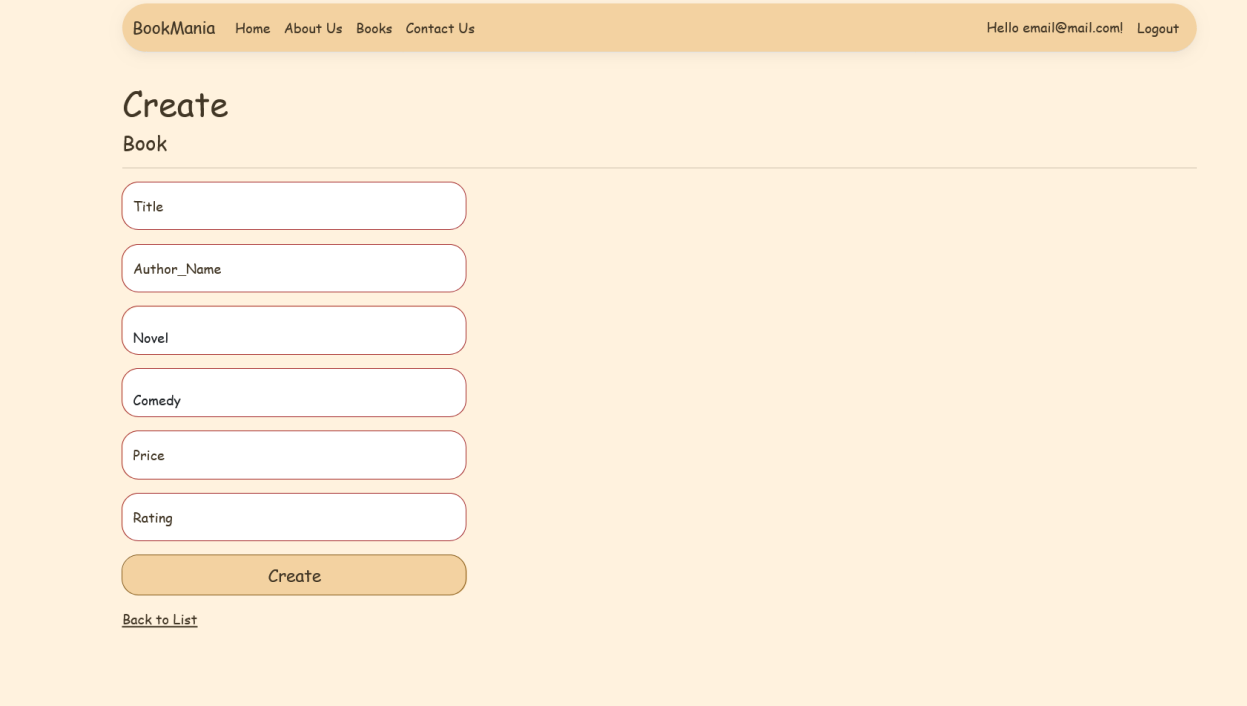
You can also Edit or Delete that book or you can go back to the index page.



The edit subpage is the page where you can change the information of the book it takes The book title, author name, type, genre, price and rating and pass the values that the user entered to the database using the Post request from http and back-end coding using c#

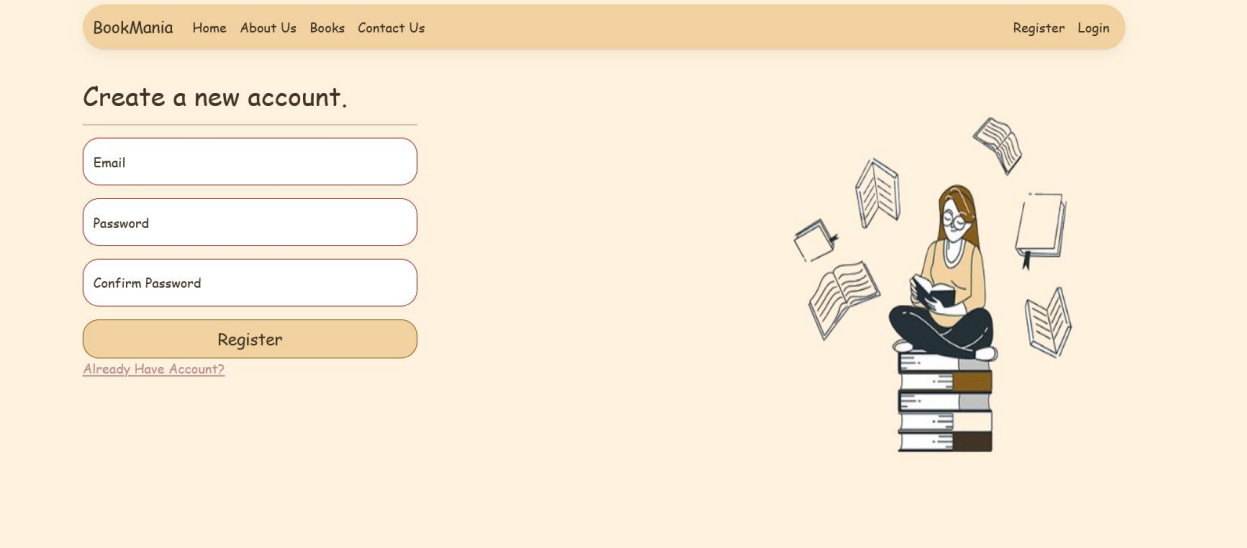


The delete subpage's function is to delete the selected book from the data base



The last subpage in the Home page is the Create subpage which contains the form which the book can be created from it takes all the details about the book and creates one in the database

- [Register Page]

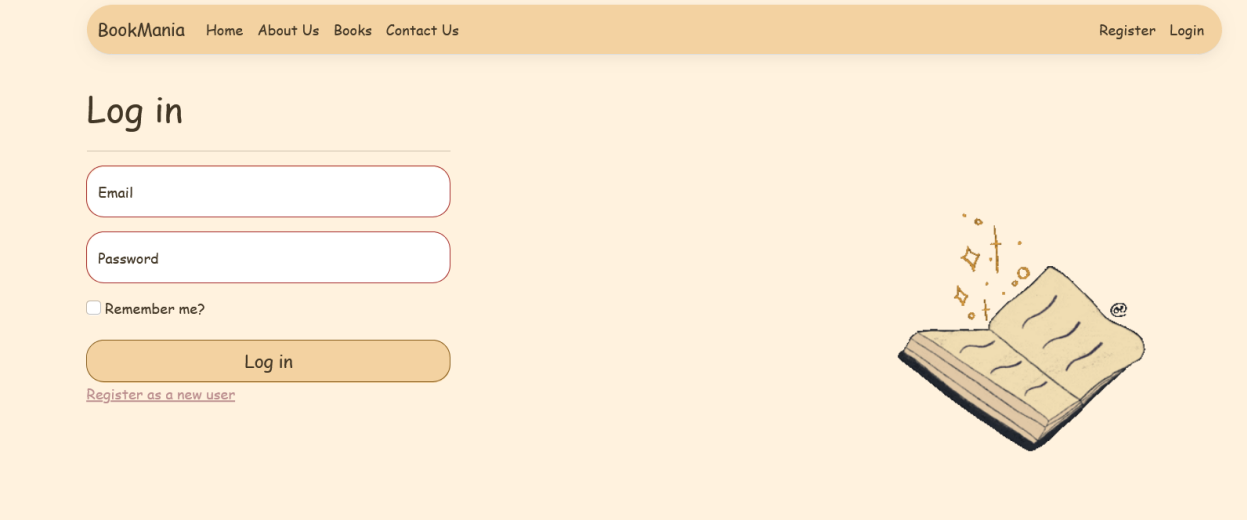


For creating a new account a brief explanation of the registration page.

List the information's required for registration (e.g., email, password, confirmed password). Firstly, the email field is required, checking the correct email is important, after that the password field complexity is required (e.g., have at least one non alphanumeric character, number ,etc.). Confirm password field must be matched with the password.

Once you press the register bottom your email and password are saved in the database. if you have previous account ,you will press (Already Have Account?),which will shift you to log in page .

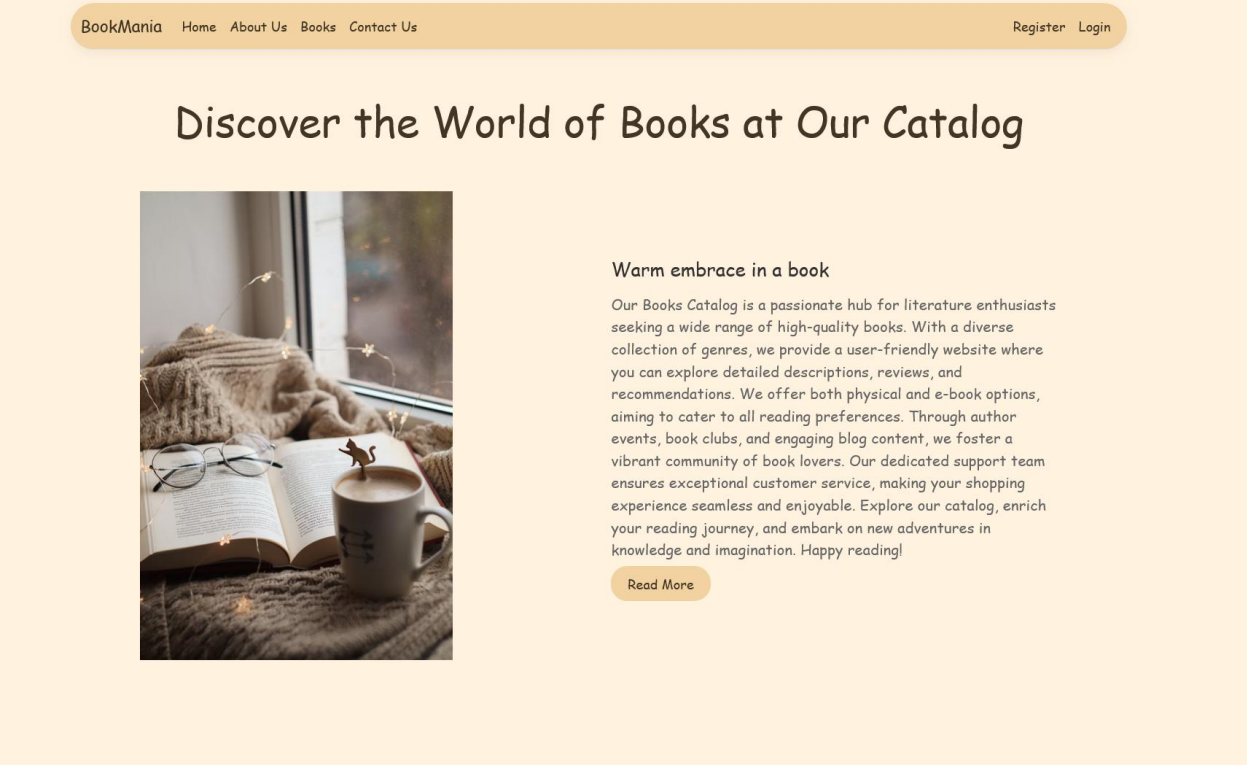
- Login Page



fill the email and password in log in page, you have option to make the page remember you by pressing (Remember me?).

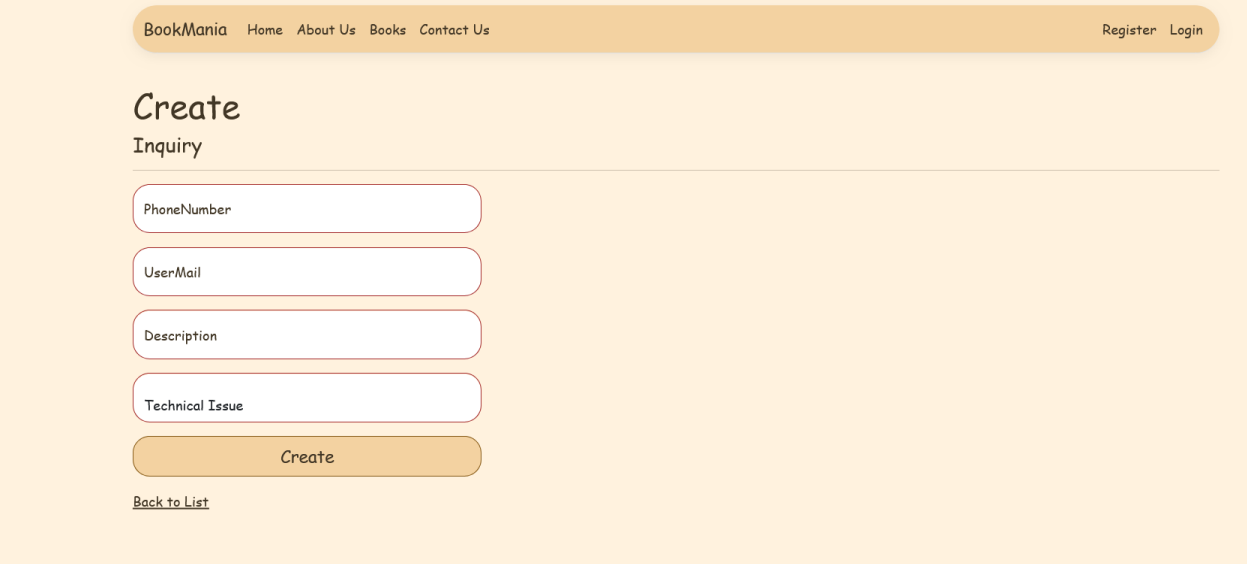
when you press the log in Potton it will shack if the account is present or not .

- About Us Page



This section to provide a brief introduction to our company highlighting its purpose ,values , and what it offers

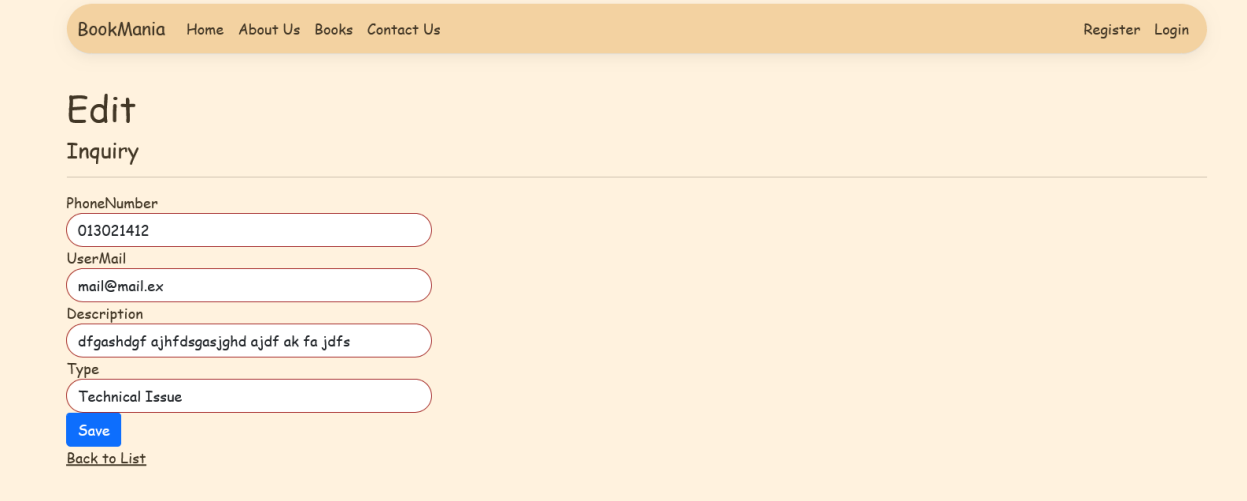
- Contact Us



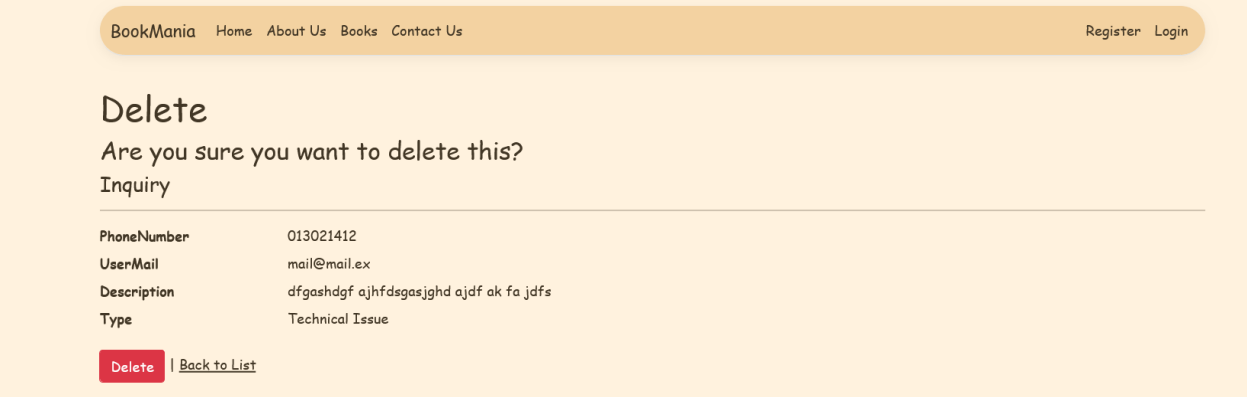
Include a contact form that allows visitors to send inquiry directly to your company. The form should have fields for name, email address, subject, and type.

This section displays all the inquires from all the user it displays the user phonenumber, email, description and finally the type of inquiry

This section should display the company's contact information, including phone number, email address, description,type of inquiry



This section for editing or modifying phone number,email address,description or type of inquiry



This section if you change your mind and want to delete your inquiry

The used Tools and framework:

- Bootstrap

  We used Bootstrap, a popular framework, to quickly build this website's responsive layout, pre-designed components, and interactive elements. It saved us time and effort while ensuring a mobile-friendly, visually appealing, and user-friendly experience for you!

- ASP.NET Core

  Beneath the surface of BookMania's inviting shelves and curated recommendations hums a powerful engine: ASP.NET Core. This modern web framework, like a hidden architect, meticulously crafts your seamless and secure online experience. It orchestrates blazing-fast page loads, connects you to a treasure trove of book data, and safeguards your information with fortress-like security. As you delve deeper, ASP.NET Core fuels personalized recommendations, connects you to essential APIs, and ensures

BookMania can adapt and grow alongside your ever-evolving literary journey. So, the next time you lose yourself in a captivating story, remember the invisible magic of ASP.NET Core, the silent architect of your digital library adventure.

- Jquery

jQuery, the programming whisperer, weaves BookMania's interactivity. From smooth navigation to responsive design, it's the unseen hand behind your effortless journey through this literary haven. Click, hover, explore – jQuery makes it magical.

- MySQL

Deep within BookMania's shelves, MySQL whispers. This digital librarian catalogs every story, fueling your search for the next great read. It remembers your preferences, suggests hidden gems, and safeguards your reading journey. From recommendations to secure transactions, MySQL silently keeps BookMania thriving.

Used Library References:

- GitHub Repository: https://github.com/Youssef-Anan/BookMania-WebProject.git
- https://getbootstrap.com/docs/5.2/getting-started/introduction/
- https://www.w3schools.com/bootstrap/
- https://www.freecodecamp.org/news/full-bootstrap-5-tutorial-for-beginners/
- https://learn.microsoft.com/en-us/aspnet/core/?view=aspnetcore-8.0

Used Visual Studio Libraries

- `Microsoft.EntityFrameworkCore`
- `Microsoft.AspNetCore.Mvc`
- `Microsoft.AspNetCore.Identity.EntityFrameworkCore`
- `System.ComponentModel.DataAnnotations`
- `System`