

BOOK RE-USE

**A PROJECT REPORT SUBMITTED IN PARTIAL FULFILMENT
OF REQUIREMENT
FOR THE AWARD OF THE DEGREE**

**MASTER OF COMPUTER APPLICATIONS (MCA)
OF
MAHATMA GANDHI UNIVERSITY, KOTTAYAM
BY**

**GLENN GEORGE THOMAS
Reg No : 22PMC124**



**MARIAN COLLEGE
KUTTIKKANAM
(AUTONOMOUS)**

MAKING COMPLETE

Marian College Kuttikkanam Autonomous

Peermade, Kerala – 685 531

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Under the guidance of

Ms. Kochumol Abraham
Assistant Professor
PG Department of Computer Applications
Marian College Kuttikkanam Autonomous



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PG DEPARTMENT OF COMPUTER APPLICATIONS

Marian College Kuttikkanam Autonomous

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

KUTTIKKANAM – 685 531, KERALA.

CERTIFICATE

This is to certify that the project work entitled

BOOK RE-USE

is a bonafide record of work done by

GLENN GEORGE THOMAS

Reg. No. 22PMC124

In partial fulfillment of the requirements for the award of Degree of

MASTER OF COMPUTER APPLICATIONS [MCA]

During the academic year 2022-2023

Ms. Kochumol Abraham

Assistant Professor

PG Department of Computer Applications

Marian College Kuttikkanam Autonomous

Mr Win Mathew John

Head of the Department

PG Department of Computer Applications

Marian College Kuttikkanam Autonomous

External Examiner

External Examiner

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Finally, I express my deep appreciation to all my friends and family members for the moral support and encouragement they have given to complete this project work successfully.

GLENN GEORGE THOMAS

ABSTRACT OF BOOK RE-USE

Book Re-Use is a website which is intended for those people who love reading books and also for those people who doesn't need the books for a long period of time. The book which is useless for us might be useful for others and both the buyer and seller will have to spend only less amount of money on the books that they need.

The seller can put his/her book's information, his/her contact information, location, and also the price of the book.

Similarly, The buyers can contact the sellers from the contact information provided in the application. When the book is sold, the seller can delete all the information about that book.

Therefore, this website will be helpful for all those people who are in their studying phase and for those book enthusiast who loves reading new books.

2. REQUIREMENTS

2.1 USERS CAN :

- Registration & Login
- Sell Book
- Buy Book
- Payment
- Request Book
- About Us
- Contact Us

2.2 ADMIN CAN :

- Manage Books
- Manage Users
- Manage Orders

3.FEATURES & HIGHLIGHTS

- **Registration :**

The user will be able to register themselves with the in-built Django users using UserCreationForm. The users have to provide their Username and Password during registration. After the registration is completed, the users are redirected to the Login page.

- **Login :**

After the registration, the authenticated users can log-in using the credentials like Username and Password. The authenticated Users are redirected to the User Home-Page.

- **Sell Books :**

An authenticated user can list any available books that they want to sell in this website. The user can provide details like Title of the book, the authors name, description of the book, image of the book and price of the book.

- **Buy Book :**

An authenticated user can buy any available books that is listed for sale from this website. The user can see the details like Title of the book, the authors name, description of the book, image of the book and price of the book while buying the book.

- **Payment :**

The payment processes through a dummy payment gateway when an authenticated user wants to buy any book that is listed for sale.

- **Request Book :**

An authenticated user can request for any book that the user wants through a request form, if he/she can't find the book from the website.

- **About Us :**

This page provides the users with a short description about the functionalities and different features of the website.

- **Contact Us :**

This page can be used by the users to contact the admin through a form to solve any sort of website related and technical issues in the website.

- **About Us :**

This page provides the users with a short description about the functionalities and different features of the website.

4. TECHNICAL ASPECTS

- **Django Framework :**

The Django web framework is a free, open-source framework that can speed up the development of a web application being built in the python programming language. Django is a high-level Python web framework that enables rapid development of secure and maintainable websites. Built by experienced developers, Django takes care of much of the hassle of web development, so you can focus on writing your app without needing to reinvent the wheel.

- **Third-Party Libraries :**

The Third-Party applications and libraries in Django are pre-built components or packages developed by the community or other companies that you can use to extend the functionalities of the Django projects.

The Third-Party libraries used in this project are :

- **Django Jazzmin :**

Jazzmin is intended as a drop-in app to jazz up your Django admin site, with plenty of things you can easily customize, including a built-in UI customizer.

- **Django Crispy-Forms :**

Django-crispy-forms defines another powerful class called Layout, which allows you to change the way the form fields are rendered. This allows you to set the order of the fields, wrap them in divs or other structures, add html, set ids, classes or attributes to whatever you want, etc.

- **Django Pillow :**

Pillow is a free, open-source library for the Python programming language that provides support for opening, manipulating, and saving many different image file

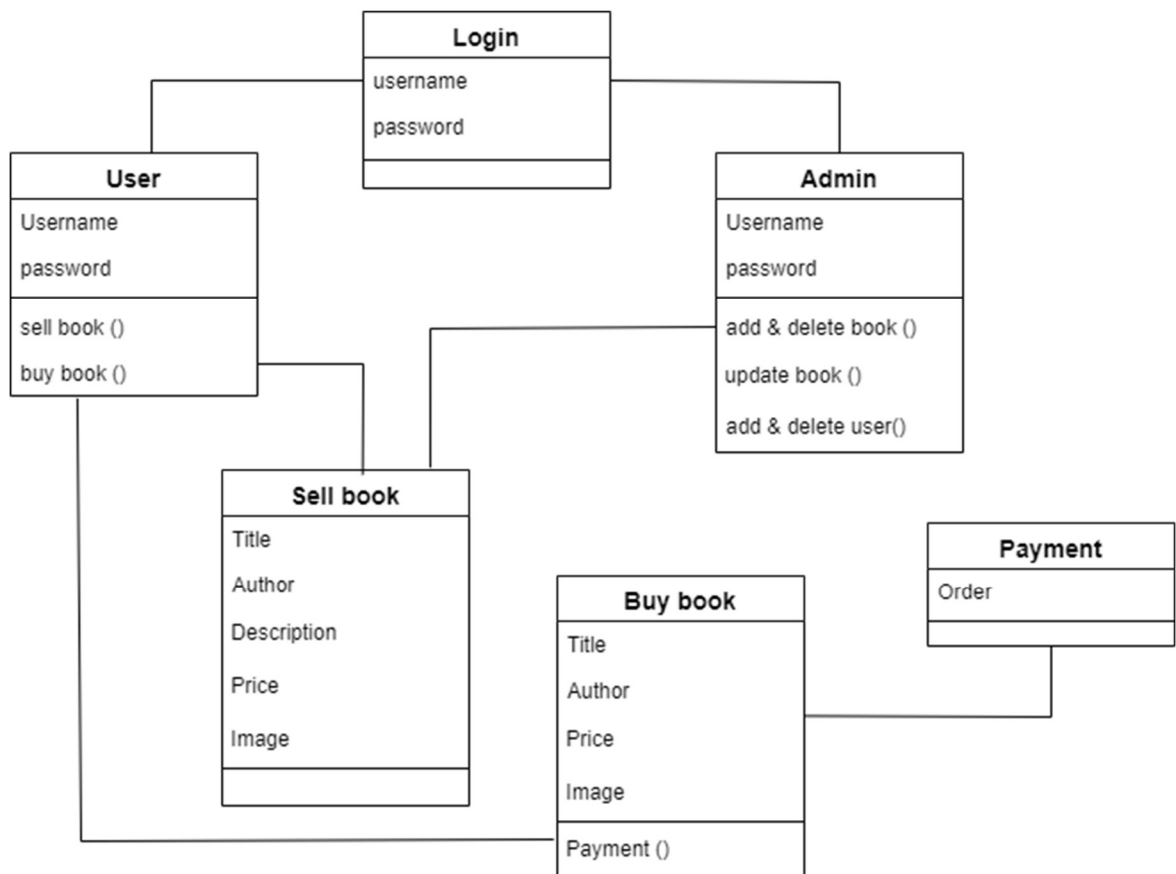
formats. Pillow offers all types of image processing capabilities like image transformation, rotation, resizing, statistics of the image, etc.

4.1 Architecture of the Project :.

4.2 Database :.

- **Class Diagram :**

Class diagrams are the blueprints of your system or subsystem. You can use class diagrams to model the objects that make up the system, to display the relationships between the objects, and to describe what those objects do and the services that they provide. Class diagrams are useful in many stages of system design.



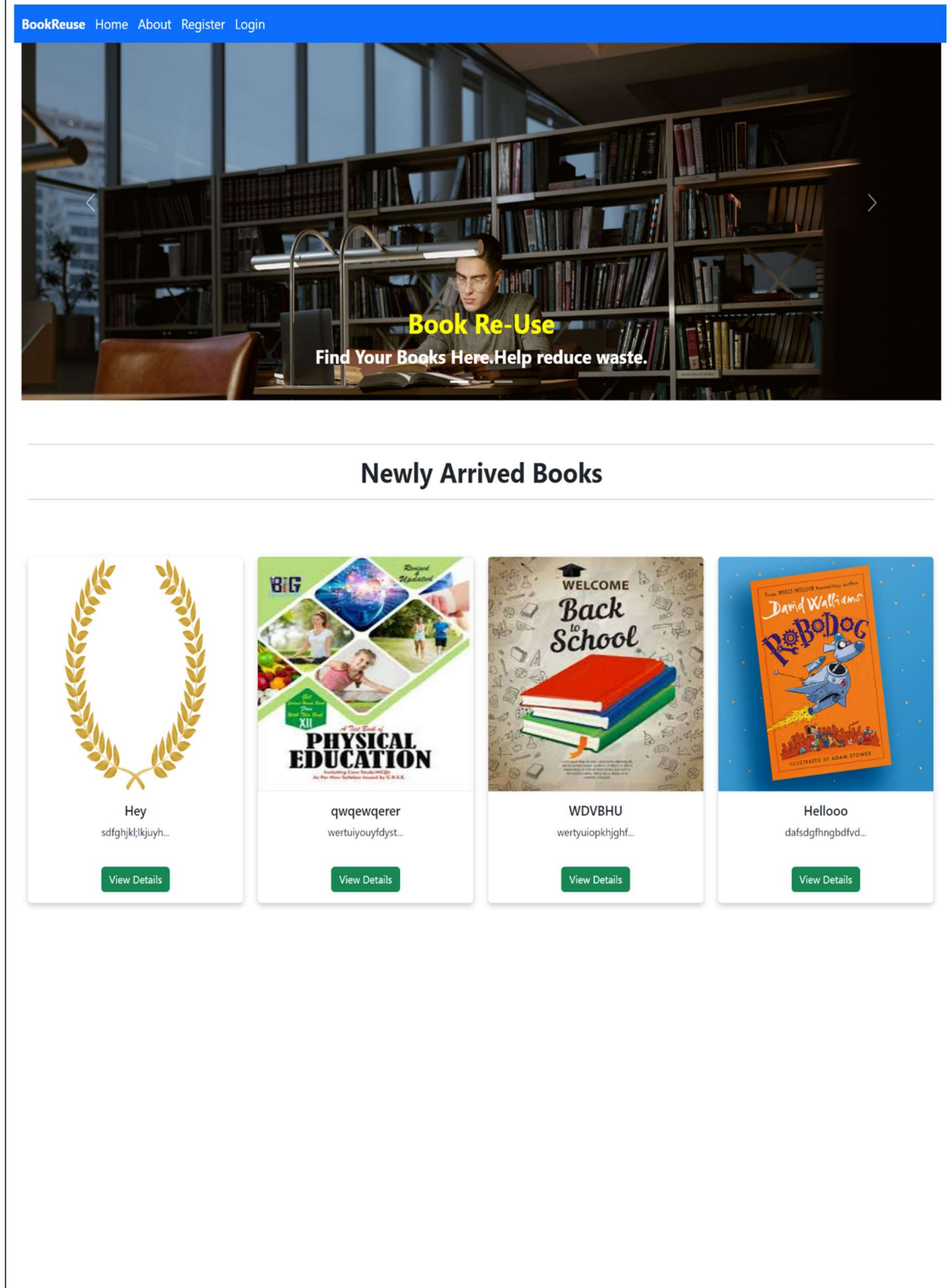
5. CHALLENGES FACED

Identifying and Managing the requirements of the project was a difficult task. Gathering necessary requirements, identifying the required was a bit hectic. Another challenge was to plan the process flow of the project. The time constraint was also a major challenge that I faced during the development of the website. While coming to the coding part I had difficulties in using the Django user for registering the users as it was new to me.

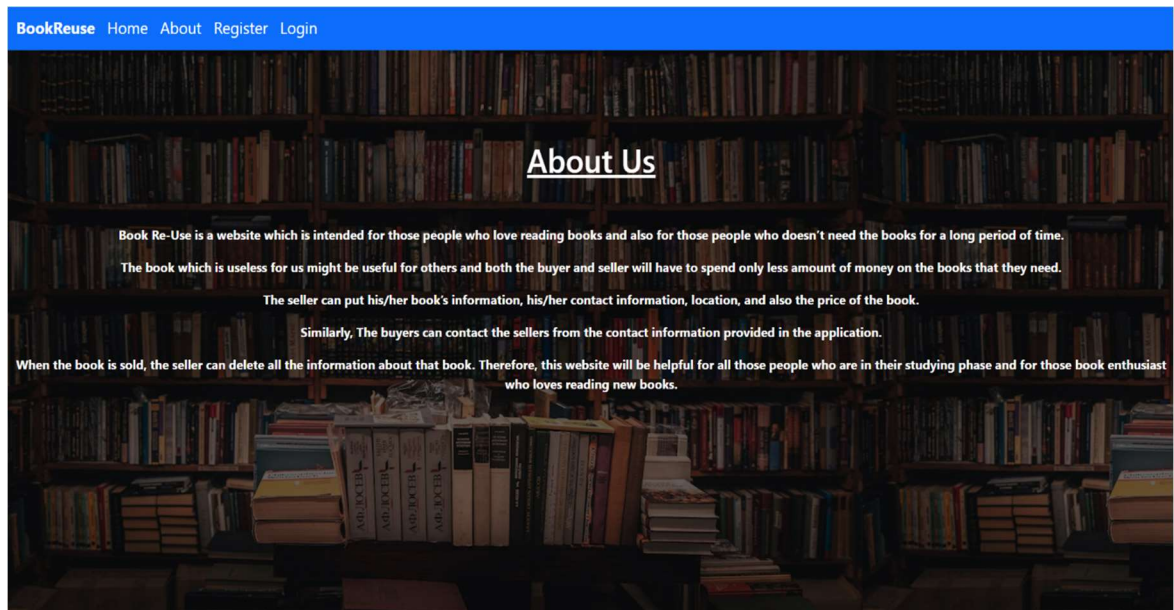
The next major challenge which I faced was during the integration of crispy-forms in my project. Even though it made my work easy by helping me from the hectic task of creating html pages, I did require some time to learn about the working of it. I also faced problems using the third-party library Pillow, there was a lot of errors that came up while trying to add images into the website.

6. SCREENSHOTS

- Home Page



- **About Us**



- **Registration**

- **Login**

[BookReuse](#)
[Home](#)
[About](#)
[Register](#)
[Login](#)

Login

Username*

Password*

[Log In](#)
[Create Account](#)

- **User-Home Page**

[BookReuse](#)
[ABCD@12](#)
[Home](#)
[Sell Books](#)
[Log Out](#)

FEATURED BOOKS

ABCDEF
 ESDRCTFVBGYHGFD...
 ₹100.00
 Available
[View](#)

Helloo
 dafsdgfhngbdfvd...
 ₹200.00
 Available
[View](#)

WDVBHU
 wertyuiopkhjght...
 ₹80.00
 Available
[View](#)

- **Sell Book**

BookReuse ABCD@12 Home Sell Books Log Out

Sell Book

Title*

Author*

Description*

Price

Image*

Choose File

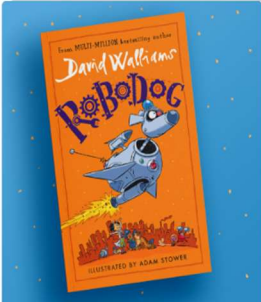
No file chosen

☐ Book available

Sell Book

- **Buy Book**

BookReuse ABCD@12 Home Sell Books Log Out



Hellooo

Author: asdfgdfdsasa

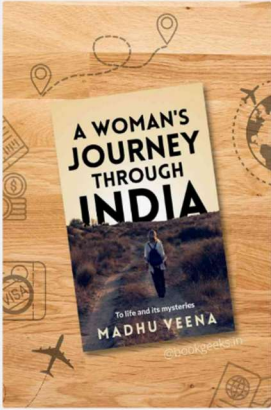
Description: dafsdgfhngbdfvdczx vfsbgd

Price: ₹ 200.00

Buy Now

- **Payment**

BookReuse ABCD@12 Home Sell Books Log Out



ABCDEF

ESDRCTFVBGYHGFDRSEDRTFVBGYNHUTDCRESXDFTVBGYNHUJMIBVFCDRDCRTFVBGY

Total: ₹100.00

Payment

7.FUTURE ENHANCEMENT

- **Live Tracking :**

The live tracking of the books that are bought by a user can be implemented in the future.

- **Payment :**

Can implement a enhancement where the payment is redirected to the sellers of the book.

- **Mobile Application :**

Mobile app for the website can be implemented in the future for the convenience of all book loving users.

8. CONCLUSION

Book Re-Use is a website which is intended for those people who love reading books and also for those people who doesn't need the books for a long period of time. The book which is useless for us might be useful for others and both the buyer and seller will have to spend only less amount of money on the books that they need. Therefore, this website will be helpful for all those people who are in their studying phase and for those book enthusiast who loves reading new books.

9. REFERENCE

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- <https://django-jazzmin.readthedocs.io/>
- <https://openai.com/>