

APNA MARKET A BOOK SELLING WEBSITE

A Dissertation submitted for the partial fulfilment of the Degree of Bachelor
of Computer Application

By

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6th Semester

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(June, 2022)



Department of Computer Application, JIS College of Engineering,
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Certificate

This is to certify the work in this report entitled

“APNA MARKET A BOOK SELLING WEBSITE”

Submitted by **Diptanuj Pal** (31801219016), in the partial fulfilment of the requirement for the award of Degree of Bachelor of Computer Application with the specialization in Degree of Bachelor of Computer Application of JIS College of Engineering, is a record of his ownwork.

Mrs. Suparna Das Gupta

Project Guide

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JIS College of Engineering Kalyani

Date:

Place: Kalyani

Acknowledgement

The pleasure and joy that accompanies the successful completion of any task would be incomplete without the mention of the person who made it possible. If there is a driving force that kept us going on in doing this project, it is the constant support and help of my project guide **Mrs. Suparna Das Gupta** (Assistant Professor, Department of Information Technology). Her readiness for consultation at all times, her educative comments, her concern and assistance even with practical things have been invaluable. I present my sincere and heartiest thanks to her, for giving me a patient hearing and clearing my doubts.

I would like to express my profound thanks to **Head of the Department Computer Application** for his endless support and encouragement towards me at every stage in successful completion of my project work.

I would also like to convey my sincerest gratitude and indebtedness to the entire faculty members of the **Department of Computer Application, JIS College of Engineering**, who best owed their efforts and guidance at appropriate times without which it would have been very difficult on my part to finish the project work.

Finally, I would also like to thank all those who knowingly and unknowingly helped me all throughout my project.

Diptanuj Pal

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Approval Sheet

This Dissertation/Project report entitled

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By

Diptanuj Pal

Roll No: 31801219016

Is approved for the Degree Bachelor of Computer Application with
the specialization in Computer Application of
JIS college of Engineering
(An Autonomous Institute)

Approved By

Examiner	Name	Signature
External Examiner		
Internal Examiner		
Supervisor		

Date:

Place: Kalyani

Declaration

I declare that this written submission represents my ideas in my own words and where others' ideas or words have been included, I have adequately cited and referenced the original sources. I also declare that I have adhered to all principles of academic honesty and integrity and have not mis represented or fabricated or falsified any idea/data/fact/source in my submission. I understand that any violation of the above will be cause for disciplinary action by the Institute and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed.

Diptanuj Pal

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University Registration No.: 034435

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Date:

Place: Kalyani

Abstract

Apna Market is a e-commerce book website. We made this website to achieve a goal i.e availability of books among all the book lovers. We target not only common readers but also the student community belongs to any Engineering college.

We used HTML, CSS, JS, PHP and MYSQL for creating this website.

We also created different categories in this website based upon different book genre. Which will help the user to directly access their favourite genre book.

If a user searches a particular book which was not listed in our website, then the user can directly contact us using the website and request us to add this book. We also receive feedback from the user regarding the books and our services.

The users also able to create their account and save their favourite book for later purchase.

1. Introduction

Apna Market is an e-commerce book website. We made this website to achieve a goal i.e availability of books among all the book lovers. We target not only common readers but also the student community belongs to any Engineering college.

Our main aim is to provide a platform to every college student where they can sell their old semester books at half price and buy 2nd hand books for their current semester.

Students need to contact their college library for selling and buying of semester book otherwise they can buy any other books which will be directly delivered by our team to their particular delivery location.

We used HTML, CSS, JS, PHP and MYSQL for creating this website.

We also created different categories in this website based upon different book genre. Which will help the user to directly access their favourite genre book.

If a user searches a particular book which was not listed in our website, then the user can directly contact us using the website and request us to add this book. We also receive feedback from the user regarding the books and our services.

The users also able to create their account and save their favourite book for later purchase.

2.Requirement Analysis

1. Web Application

User/Students can Register and login into the website.

Bookmark their favourite book by adding to cart

Able to give their value able feedback on each book.

Request new book through website.

See books rating.

Create different section for students.

A flexible search bar to easily search any book.

Create a user/dashboard.

Student can sell their books in the particular section

3.Planning

What is the purpose of our website ?

-The purpose of my website is creating a platform for the user. Here the user can search for their require book and buy it . And the book will be deliver to their ordered location. In this way availability of books increase among the book readers who are not able to purchase books manually.

There is also a separate section for engineering college students where they can sell their old academic books and purchases 2nd hand academic books at half price. In this way we can avail academic books at half price

Who is target audience?

-It is for any age group of users and for technical background college

students i.e mostly from Engineering college.

What is the image to portray?

-It is educational, attractive, lively and good service.

4.Design

The Design is the most important part. We need to take care that the frontend of the website looks attractive to the user as well as to maintain the integrity between frontend and backend.

The front page of the website is divided into 3 section i.e the header, body and the footer.

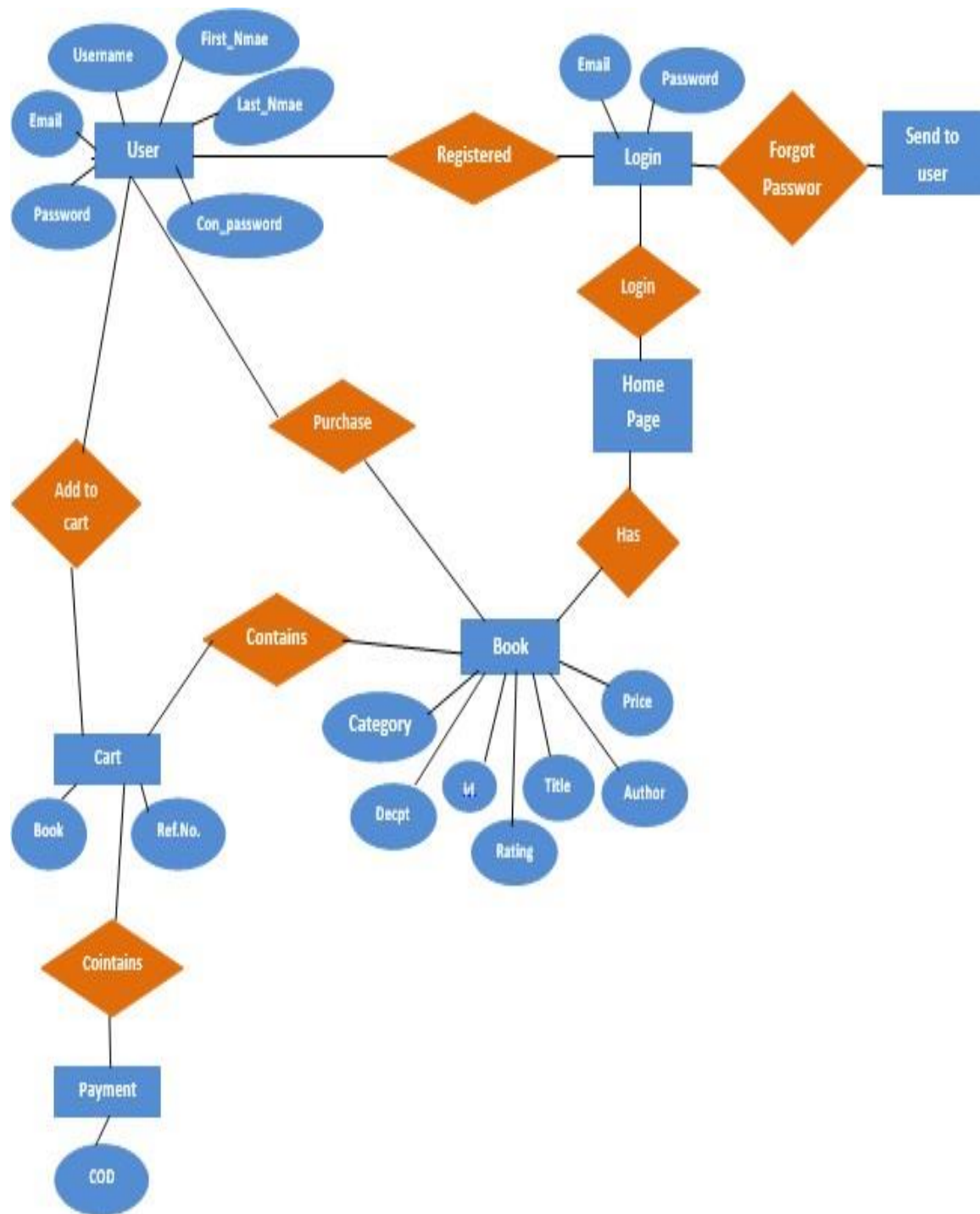
All the logos and the posters used in our website was designed manually by our team. We have used pics art application for designing the posters and logos.

Our website is dynamically designed. A dynamic website design can convey dynamic data. This implies relying upon changes occurring; the site data are updated automatically depending on a couple of criteria.

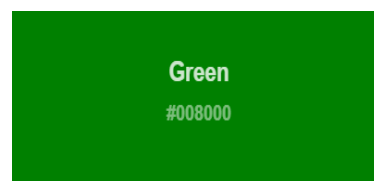
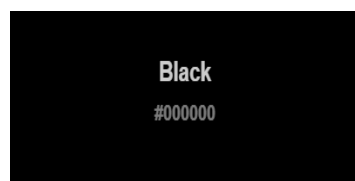
Such as after adding new books. The books directly displayed into the website by directly fetching book data from the data base.

Entity Relationship Diagram: An entity relationship diagram (ERD), also known as an entity relationship model, is a graphical representation that depicts relationships among people, objects, places, concepts or events within an information technology (IT) system.

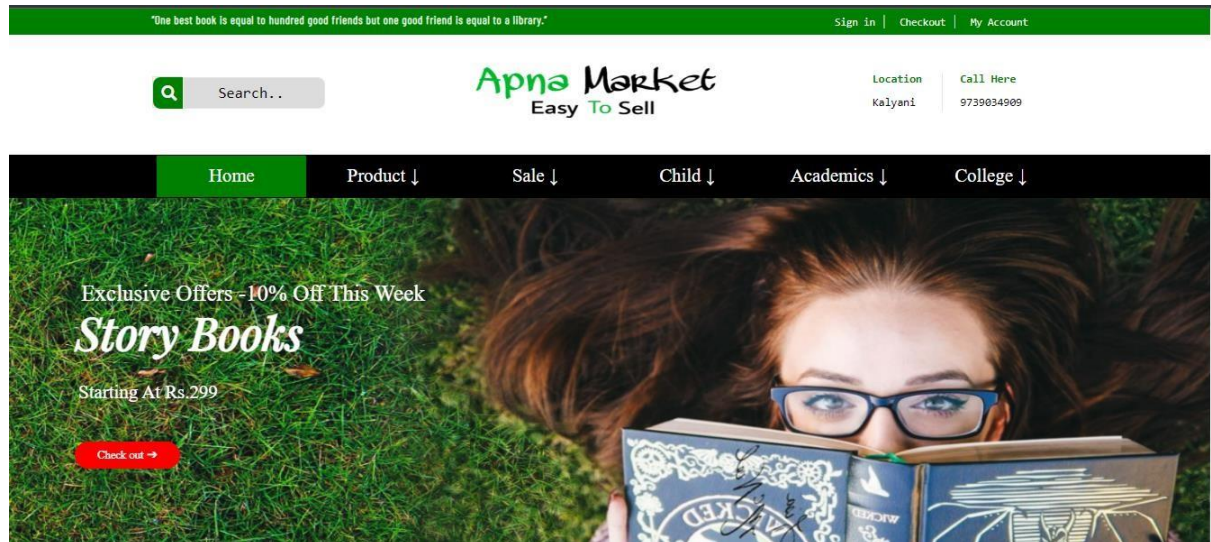
In the above ER diagram we have shown the relationship among several entities of our website.



Design colour: combination of black (#000000) and Green (#008000)



The Header section: UI of header is divided into 3 sections. Top header middle header and bottom header.



The footer: UI of footer is divided into 3 sections.

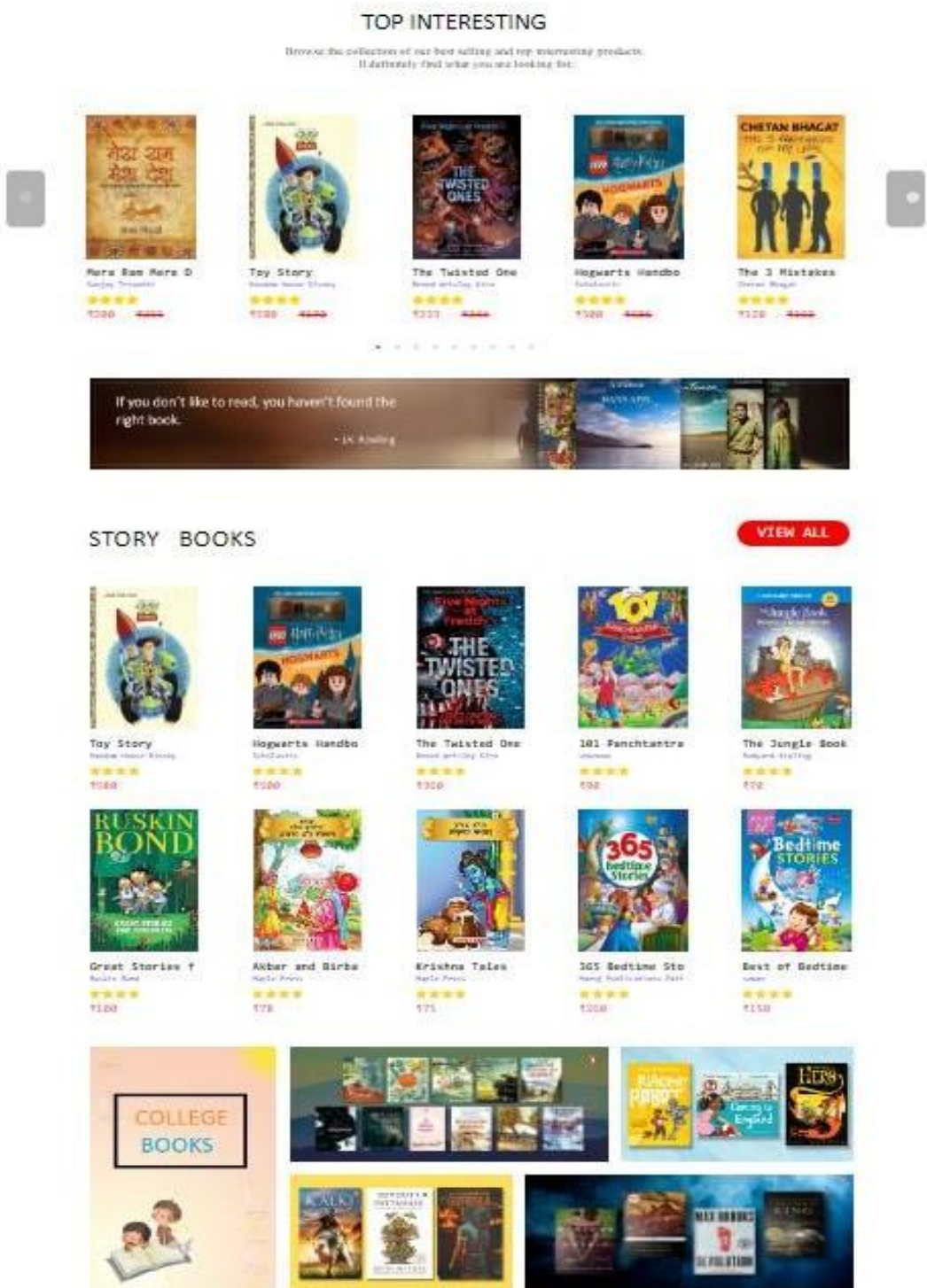


In this footer section we have included the about us part along with address details and contact details.

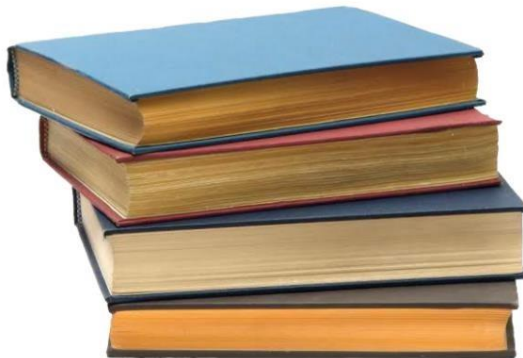
Users need to login first for contacting us. After that they can enter their mail Id and the message they want to send.

We definitely give reply in 1-3 working days regarding any kind of query.

The body: This is the UI of our body.



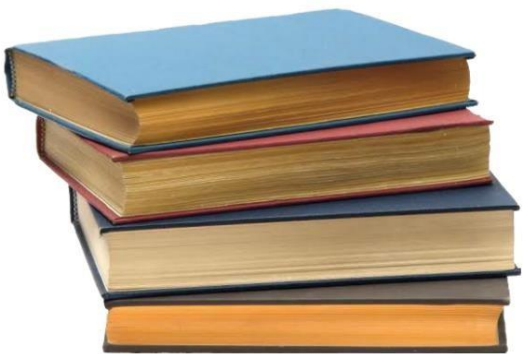
The login and register Interface:



Login

Register

Register



Login

Register

Login

Forget Password


The user first need to register and then they can login to our website.
The login and register attributes we used

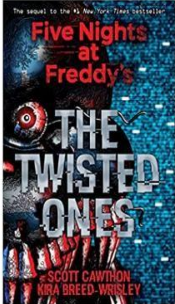
Login: i. Email ii. Password

Register: i. User Name ii. First Name iii. Last Name iv. Email
v. Password vi. Confirm Password

The particular product page:

[Home](#) [Product ↓](#) [Sale ↓](#) [Child ↓](#) [Academics ↓](#) [College ↓](#)

 Search..




The Twisted Ones : 2

★★★★★

Breed-Wrisley Kira


It's been a year since the horrific events at Freddy Fazbear's Pizza, and Charlie is just trying to move on. Even with the excitement of a new school and a fresh start, she's still haunted by nightmares of a masked murderer and four gruesome animatronic puppets. Charlie thinks her ordeal is over, but when a series of bodies are discovered near her school bearing wounds that are disturbingly famil

₹360 [BUY](#)



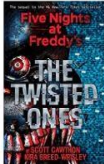
Toy Story
Random House Disney

★★★★★
₹580 ₹670




Hogwarts Handbo
Scholastic

★★★★★
₹500 ₹586




The Twisted One
Breed-Wrisley Kira

★★★★★
₹360 ₹377



101 Panchtantra
Unknown

★★★★★
₹90 ₹120



The Jungle Book
Rudyard Kipling

★★★★★
₹70 ₹120

5. Development

After the design phase the development begins. So first we need to clarify Our Software development lifecycle model.

In this project we have used agile development lifecycle.

- i. **Agile Model:** Agile methodology is a collection of principles that value adaptability and flexibility. Agile aims to provide better responsiveness to changing project needs and therefore focuses on enabling teams to deliver in workable increments.



Why we follow agile model?

Transparency	Predictable cost And schedule
Allow for change	Improves Quality

Every single sprint we create a target to complete at least 3 – 4 modules. And at end of each sprint, we delivered that module. Which will be Further move to QA environment for testing. This process is very flexible as we develop the whole project in small – small part and also in a short period of time which allows us to easily rectify any bugs in our website.

ii. Technology we used

We used HTML, CSS, JS, PHP and MySQL for creating this website.

ii.i Why we use Php?

We use Php because of the following advantage

- Platform Independent
- Open source and dynamic Library support
- Organized
- Database Connectivity
- Easy to understand and code
- Gives Web Developer More Control

- g. Easy integration and consistency
- h. Maintenance
- i. Stability
- j. Performance
- k. Reliability
- l. Scalability
- m. Compatibility

ii.ii Why we use MySQL

- a. Open-source and compatible:** This simply means that anyone can install and use the basic software, while also enabling third parties to modify and customize the source code. More advanced versions, which offer additional capacity, tools and services, come with tiered pricing plans. MySQL is also built to be highly compatible with a wide range of systems, programming languages and database models. This includes alternative DBMS solutions, SQL and NoSQL databases and cloud databases. MySQL also has extensive capabilities for database design and data modelling (e.g., conceptual data models or logical data models). This makes it a simple and practical option for many organizations, while reducing fears of being ‘locked in’ to the system.
- b. Fast and reliable:** MySQL was developed for speed, even if this may come at the expense of some additional features. It is also known for its reliability as a database administrator, backed by a large community of programmers that have put the code through tough testing. Another benefit is that it is relatively simple to learn and use. And as it has been around for nearly three decades, it’s not hard to find experienced MySQL developers when you need them.
- c. Availability:** Online businesses and web platforms need to be able to provide round-the-clock services for a global audience. This is why high availability is a core feature of MySQL. It uses a range of cluster servers and data replication configurations that ensure uninterrupted uptime even if there is a failure. MySQL also uses a variety of backup and recovery strategies to ensure data is not lost in the event of a system crash or unintentional delete.
- d. Scalability:** As data volumes and user loads increase, the database store needs to be scaled-up. It must be able to cope with the

additional workload without a drop in performance. MySQL can be scaled in different ways, typically via replication, clustering or sharing (or a combination of them). It is able to support and process very large databases, though this is likely to have an impact on speed.

- e. **Security:** This is always an important consideration for businesses as they need to protect sensitive data and defend against cyberattacks. MySQL offers encryption using the Secure Sockets Layer (SSL) protocol, data masking, authentication plugins, and other layers of security to protect data integrity. The MySQL Enterprise package also includes firewall protection against cyberattacks.

iii. Development Time: We develop this project in 4 and half month. But step by step. We are using JIRA tool to track the management of the project.

Basically we divide the whole project into small module based on their Functionality and after that we add the modules in the sprint. And Distribute the modules among the team which needed to be Completed before the end of a print.

Sprint: A sprint is short amount of time decided by the development Team in order to complete the development.

iv. How we create dynamic web page: In this web page we are directly displaying the content from the database. So, with the use of PHP as a scripting language we have done this.

some of the code snippet we are attaching for better understanding.

We have used while loop to access a table in the database. After iterating through the loop, we are displaying the necessary data by executing a specific query. If the query runs then the data got Fetched from the table.

```

<?php
if($total!=0)
{

$query1='SELECT * FROM EXCLUSIVEBOOK where
bookcategory='Exclusive' ";
$data=mysqli_query($conn,$query1);
while($result=mysqli_fetch_assoc($data))
{

?>

```

v. How we create connection with database :

```

<?php

$servername="localhost";
$username="root";
$password="";
$dbname="newapnamarket";

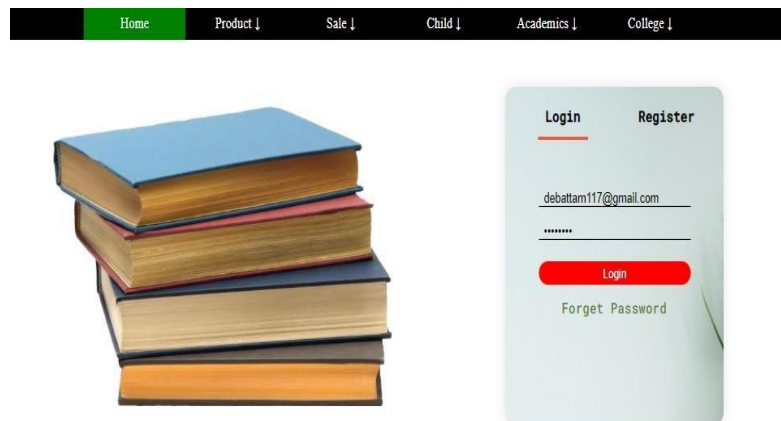
$conn=mysqli_connect($servername,$username,$password,$dbn
ame);

if($conn)
{
//echo "connection ok";
}
else
{
echo "Connection failed".mysqli_connect_error();
}
?>

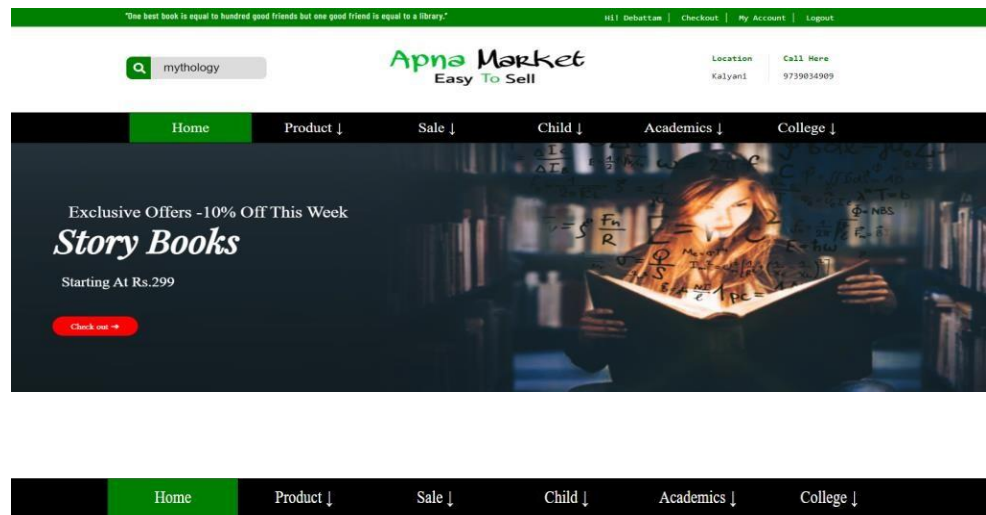
```

6. Some major functionality:

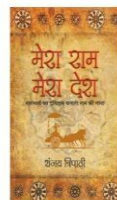
- i. **Login and Register:** A user can login to our website after registering into our website. So, after login the user interface will be like



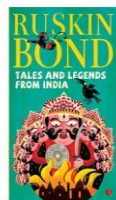
- ii. **Search Functionality:** A user can search any book using the search bar.



YOUR SEARCH RESULT



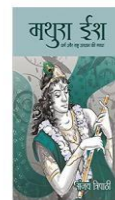
Mera Ram Mera D
Sanjay Tripathi
★★★★★
₹200



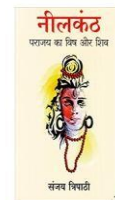
Tales and Legend
Ruskin Bond
★★★★★
₹130



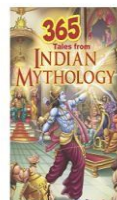
Ravanaleela
Viswanath Radha
★★★★★
₹180



Mathura Ish: Dh
Sanjay Tripathi
★★★★★
₹199



Neelkanth - Hin
Sanjay Tripathi
★★★★★
₹199



iii. Cart option: You can open any book and read the description, author and price of the book. After that you can add your book to the cart for your future purchase.

iv. Comment Option: You can also comment and read the comments wrote by other users for any specific book.

REVIEW TOY STORY

WRITE HERE

SUBMIT

CANCEL

 **Debattam**

Very interesting Book. Recommend to all.

 **Abhirupa**

Delivery of this book was very fast. Best place to buy books. And the book is also very interesting.

 **pritam_sni**

Nice book . Loved it.

 **Xavier123Garfie**

Nice book. Really enjoyed.

7. Testing:

We have done module testing i.e after completion of each module we will check the module individually. Then we merged the module into our main website and then we again perform testing the whole website. We do this to check if after the merging of the module the whole website is properly working or not.

Black Box Testing

Black box testing involves testing against a system where the code and paths are invisible.

End to End Testing

End to end testing is a technique that tests the application's workflow from beginning to end to make sure everything functions as expected.

Functional Testing

Functional testing checks an application, website, or system to ensure it's doing exactly what it's supposed to be doing.

8. How Our project contribute in solving a social Cause:

As we have created a separate section for students where they can buy 2nd hand academic related books at half price and sell their old academic books at half price through this website.

Basically, the student who want to purchase or sell academic books Will need to contact the college library. As we will give access to Student section only to the college library authority.

In this way the student need not to purchase their academic books at Full price and the availability of academic books will also increase. For that reason, the student who are not able to afford their academic books will also able to buy the books.

9. Future Scope: There are certain thing I want to add in future

- i. In comment section I want to add the date and timing of the comment by the user.
- ii. I want to add full purchases history in future.
- iii. I want to add online transaction payment mode.
- iv. I want to add a feature to calculate traffic of our website.
- v. I want to add more books section in this website.
- vi. I want to develop a support assistant for guiding the user in this website.
- vii. I want to add recommendation tab for the user based on their previous purchases and search history.

10. Conclusion:

So, at the end we are concluding that we have created a book website where the users can easily purchase their Favourite book from different genre.

Our website also included a student section where the students can buy and sell their academic books at half price. So that the availability of academic book will also increase along the decrease in price. For that reason affordability of these book will increase.

We will deliver the book to the user's delivery location after they ordered the particular book.

11. References:

- i. PHP reference and you tube tutorial.
- ii. MySQL Tutorial from W3school you tube.
- iii. Html tutorial from W3school you tube.
- iv. CSS tutorial from W3school you tube.
- v. JS tutorial from W3school and you tube.