ITA2012 Cloud Computing

Project Based Component

Fall semester 2021-22

Deployment of Online BookStore on Infinityfree

Image or Screenshot of Project

GUIDED BY

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SLOT: E1+TE1

SITE

ITA2012-Cloud Computing– Project Report

S.No	Chapter	Page No.
1	Title	3
2	Abstract, Keywords	3
3	Related works-3 related papers	3
4	Project Description (Cloud tool, Project Modules and Sub modules)	4
5	Service Oriented Architecture (Project Architecture)	4
6	Application Deployment	5
7	Implementation – Screen Shots	7 - 18
8	Conclusion	20
9	Future Work	20
10	References	20

PROJECT WEBSITE URL:
https://ebookstorecloud.epizy.com/cloudjcomp/index.php

1. **TITLE:** INFINITY FREE based Online Book Store

2. **ABSTRACT**

The online bookstore software projects that acts as a central database containing various books in stock along with their title, author and cost. This project is a website that acts as a central book store. This web project is developed using php as the front end and sql as a back-end. The sql database stores various book related details. A user visiting the website can see a wide range of books arranged in respective categories. The user may select desired book and view its price. The user may even search for specific books on the website. Once the user selects a book, he then has to fill in a form and the book is booked for the user. The website will be implemented using PHP as the programming language. MYSQL database will be used to link database.

The software has the following three main components:-
1. Implement of new user to register and login.
2. Implement user to choose any book.
3. Implement the user to buy books.

KEYWORDS: PHP, SQL

3. **Related works-3 related papers**

i. Online Book Shop in PHP & MySQL By- **SUBARNA DEY**

This online bookstore provides a web-based interface. It has a form for user to input query information to search the database. The users interface then pass the input to the control function, which implemented in php. The control function is designed to process the input from the users interface, generate the searching query and then gets data from the database and returns to the users interface. This can handle the useful information and display to the user in HTML forms.

ii. Online Book Store By: **Vamsi Krishna Mummaneni**

This Online Book Store Website provides customers with online shopping through a web browser. A customer can, create, sign in to his account, place items into a shopping cart and purchase using his credit card details. The Admin can add, delete and update the book details, book categories, and also confirm a placed order. This application is developed using C#, ASP.NET programming language.

iii. ONLINE BOOK STORE MANAGEMENT SYSTEM By: **Jost B**

The Online Book Store System is a PHP/MySQLi project that helps book store to provide their customers with an easy way to transaction online. The system stores all the store's books to sell details and this is organized by book categories. This system is e-commerce website with an admin side in which the admin can manage the data. This system allows the book store's customer to store their selected book in a cart. The system generates a monthly sales report and ready to be printed.

4. Project Description (Cloud tool, Project Modules)

i. CLOUD TOOL: INFINITY FREE

Infinity Free offers free hosting services for an indeterminate period of time.

ii. PROJECT MODULES:

- Account Module
- Payment Module
- Publisher Module
- E-books Module
- New Arrival Module
- Category Module
- All books Module
- About Module
- Cart Module
- Contact Module

Online Book Store Project is a Web-Based Online e-book Shopping Project. The control function is designed to process the input from the user's interface, generate the searching query and then gets data from the database and returns to the user's interface. Books are categorised in different Category. A user visiting the website can see a wide range of books arranged in respective categories. The user may select desired book and view its price. The user may even search for specific books on the website.

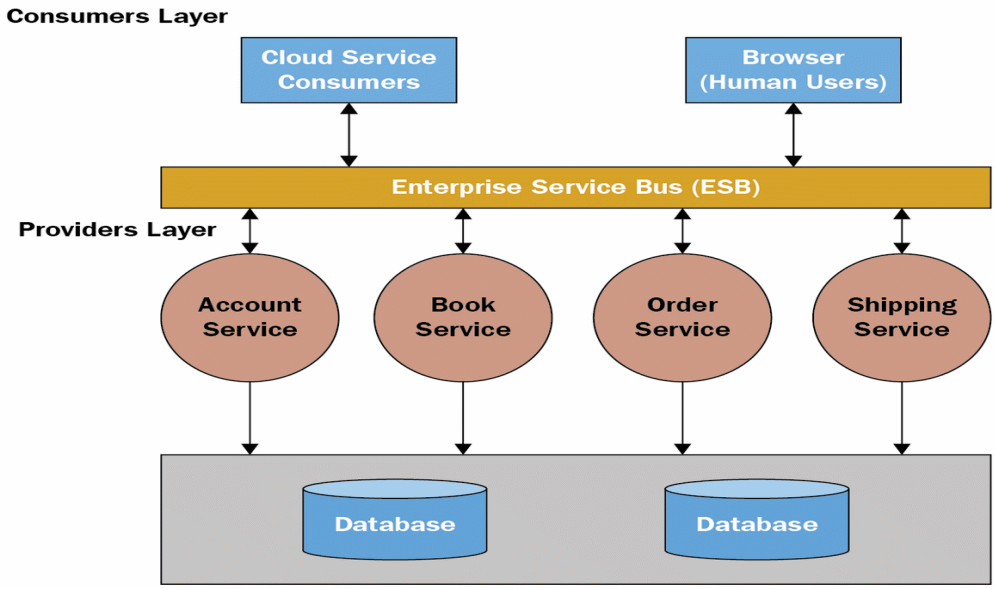
Admin: Admin is the person who controls, monitors and keeps the whole records of Books. The main functions of the Admin are:

- Add/update/Delete Sub Categories
- Add/update/Delete Books Records
- Check the Book orders from different users
- Check the existing users
- Add/update/Delete Categories

User: User is the person who wants to Purchase any Books. The main functions of the users:

- User Registration/Login
- Check the details about us
- Contact to Admin
- Search Book/Add to Cart book
- Payment at delivery.

5. Service Oriented Architecture (Project Architecture)



6. **Application Deployment:**

Step 1: To host website in InfinityFree we need to create an Account or Login into your account.

Step 2: Create an Hosting Account and create the name of the website which we want to host and select the create account button for hosting.

Step 3: Next we have to select the subdomain provided by InfinityFree. If we have our custom domains enter it and change our name serves in our domain provides.

Step 4: After successful creation of our subdomain or domain, it will show up with a button to manage it and click that button.

Step 5: Next we need to create Database for our website. For that click on control panel and it will open another tab. Now click on MySQL Databases and enter the database name and click on create database. We need to save the database details for further use.Click on Admin button and click on the import tab and import our already created database

Step 6: Next step to import all the files into this cloud for hosting.For that click on file manager, it will navigate to another tab where we could see htdocs.First we need to delete the dummy files which is defaulty present in htdocs and then upload our executable files there either manually or using FTP.

Step 7: As we already created database file in the cloud. Now its time to include those server name password,username into our local files which we inserted before

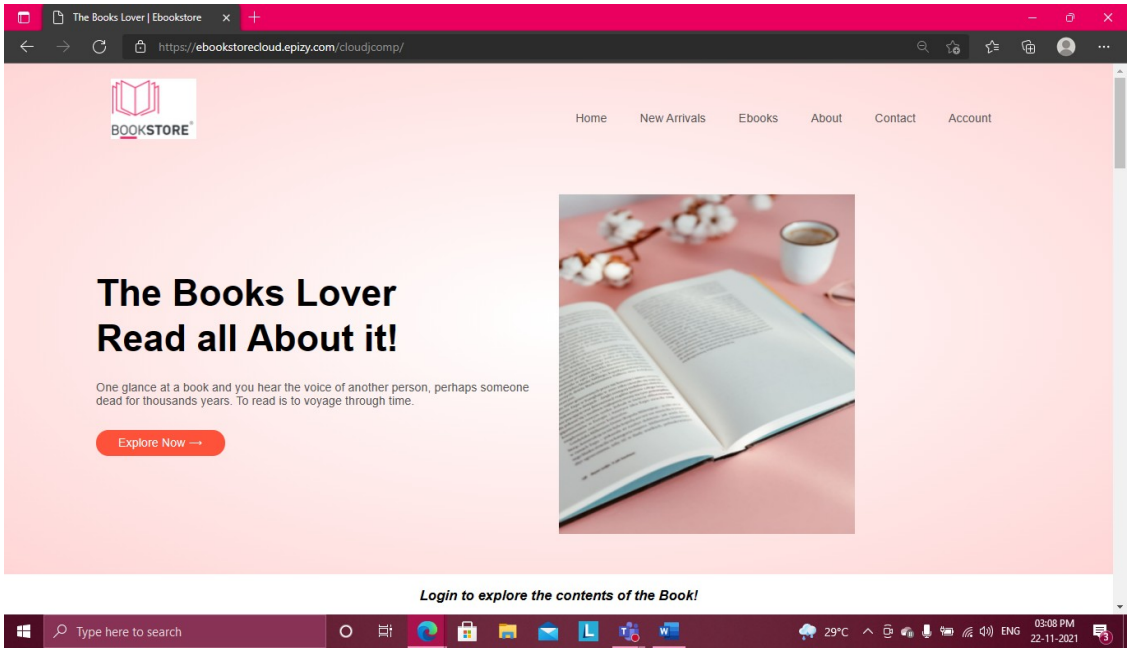
Step 8: Once all the upload have completed we could see the website url.

Step 9: If we want to apply for SSL certificate, we could avail it free upto approx 88 days. Select free ssl certificate options from control panel. Select the domain name and we will get private key and certificate in the same tab after 24hrs. Then copy those keys and paste it in certificate space then click

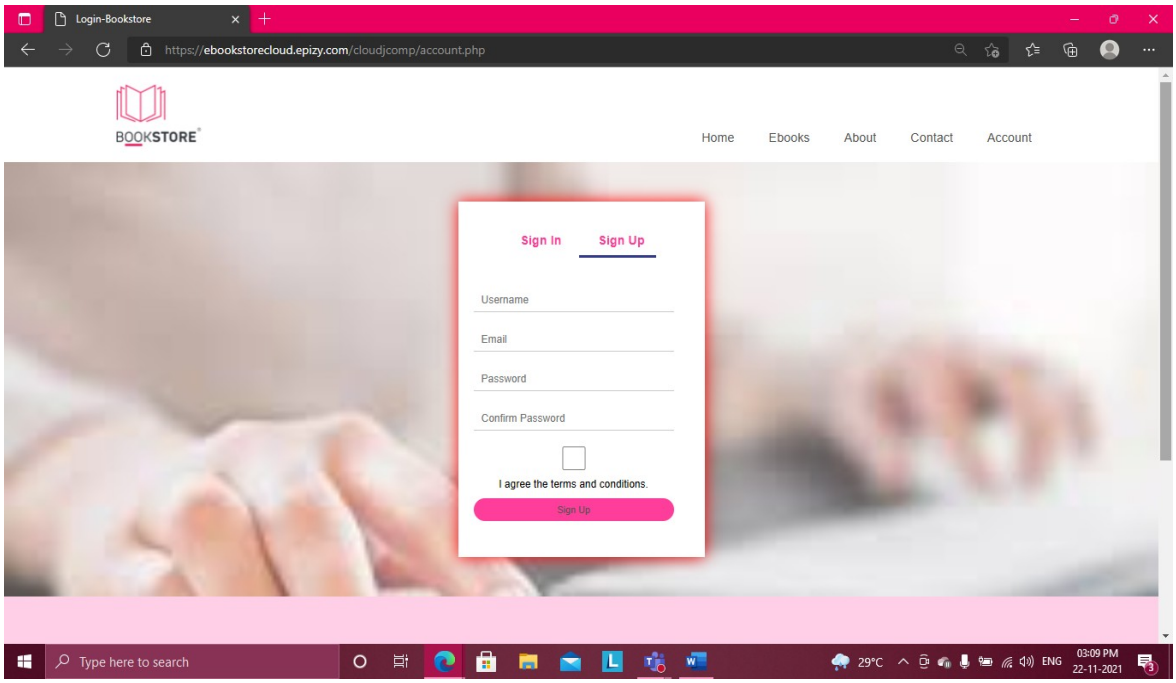
upload option. After all the verification we could refresh the website using https url.

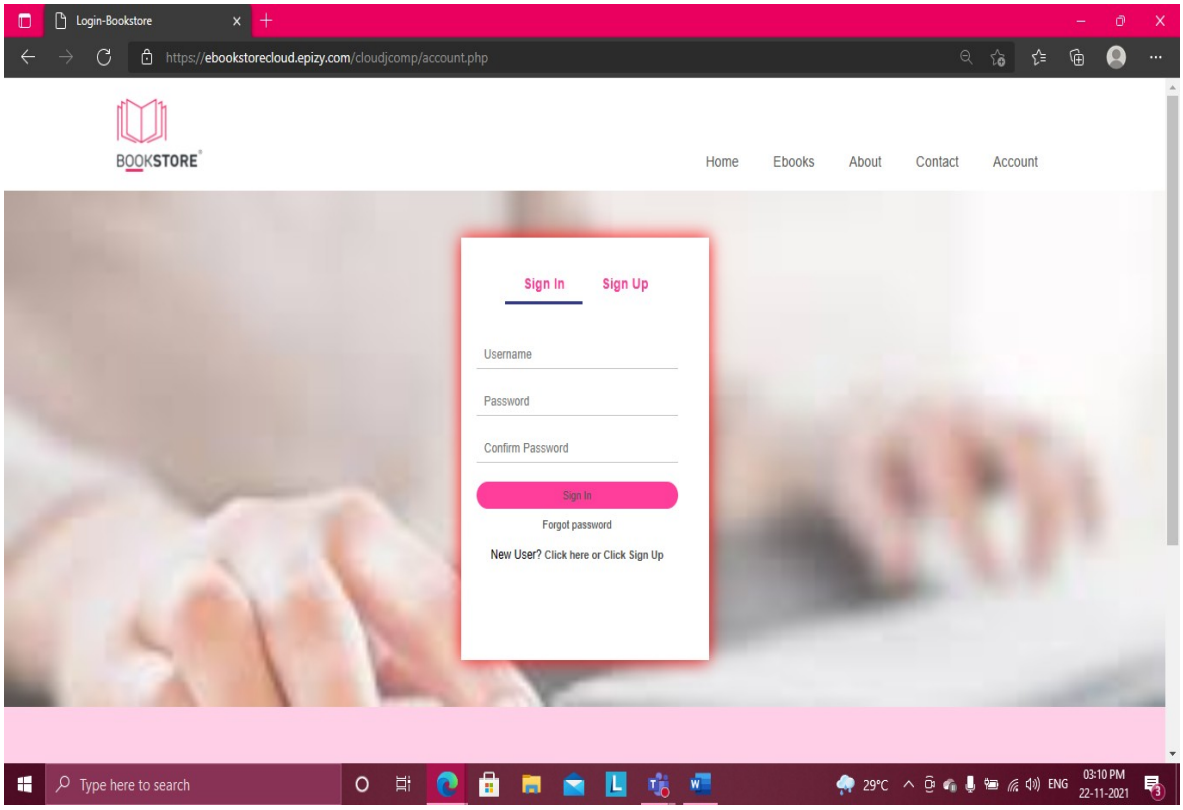
7. Implementation – Screen Shots

HOMEPAGE:

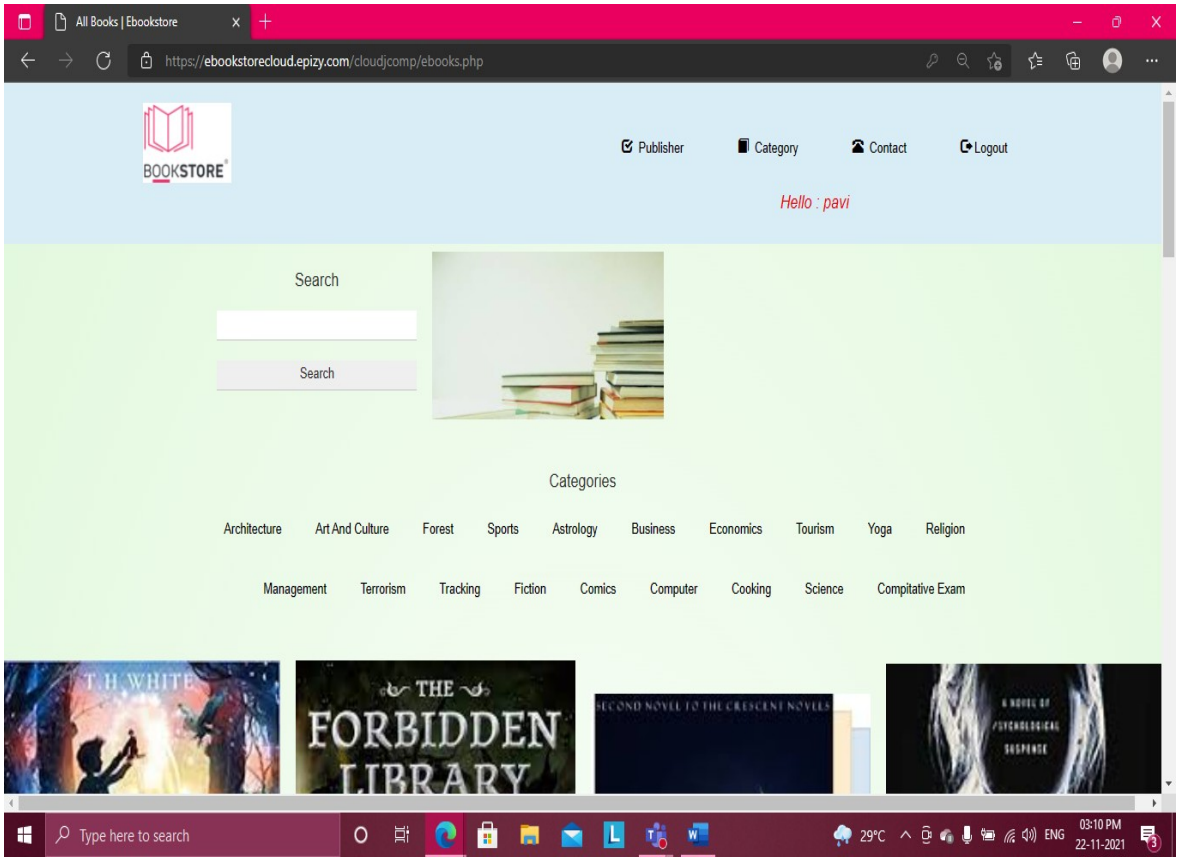


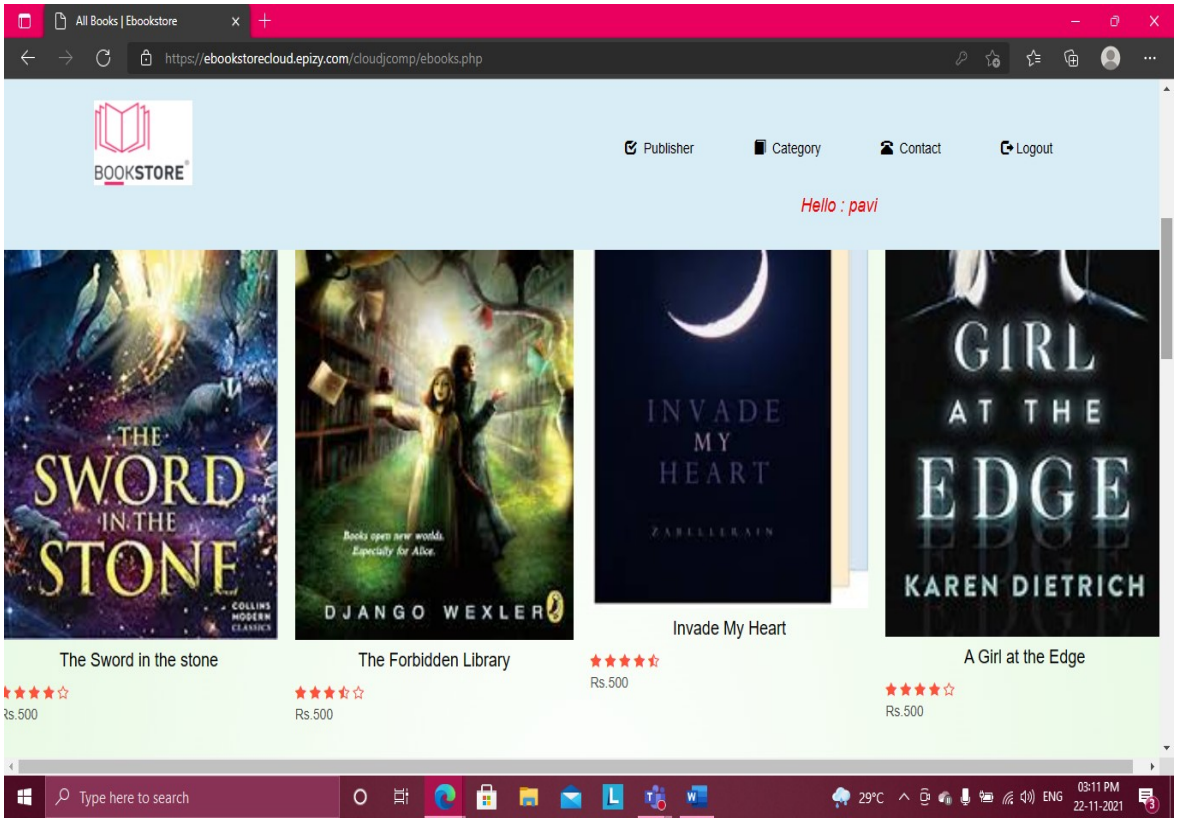
ACCOUNT MODULE:



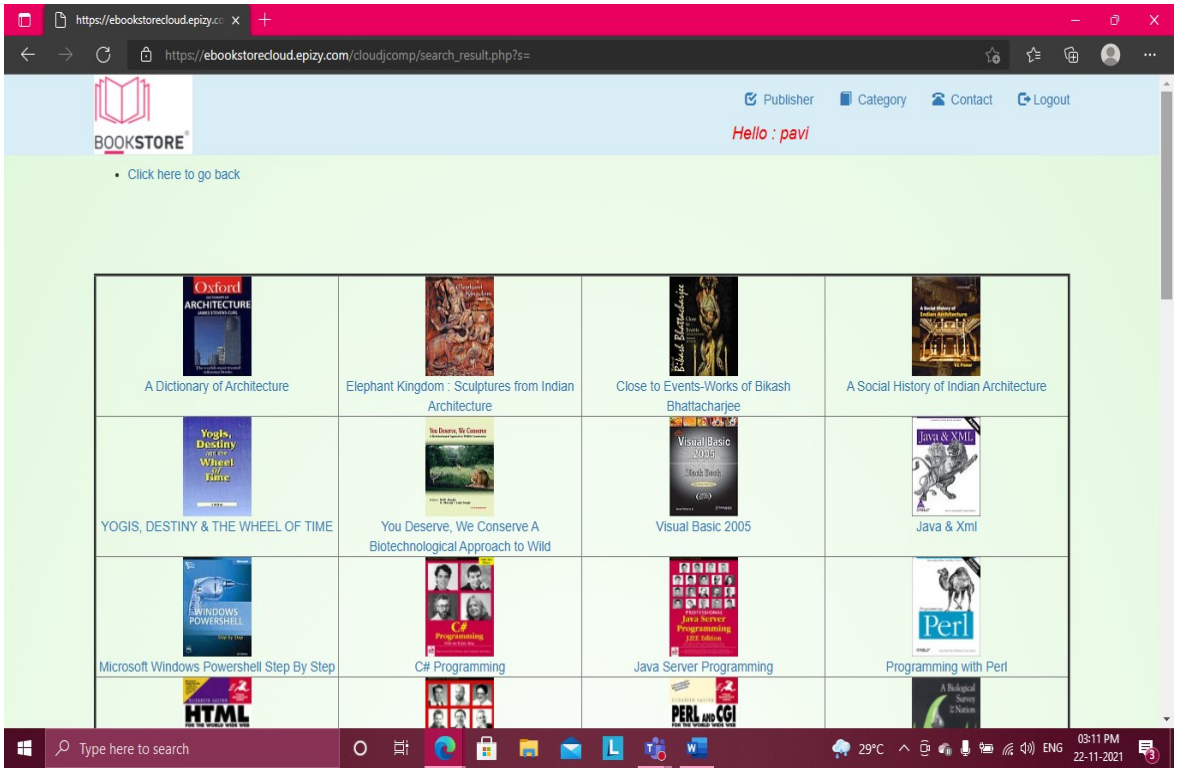


E-BOOKS MODULE:

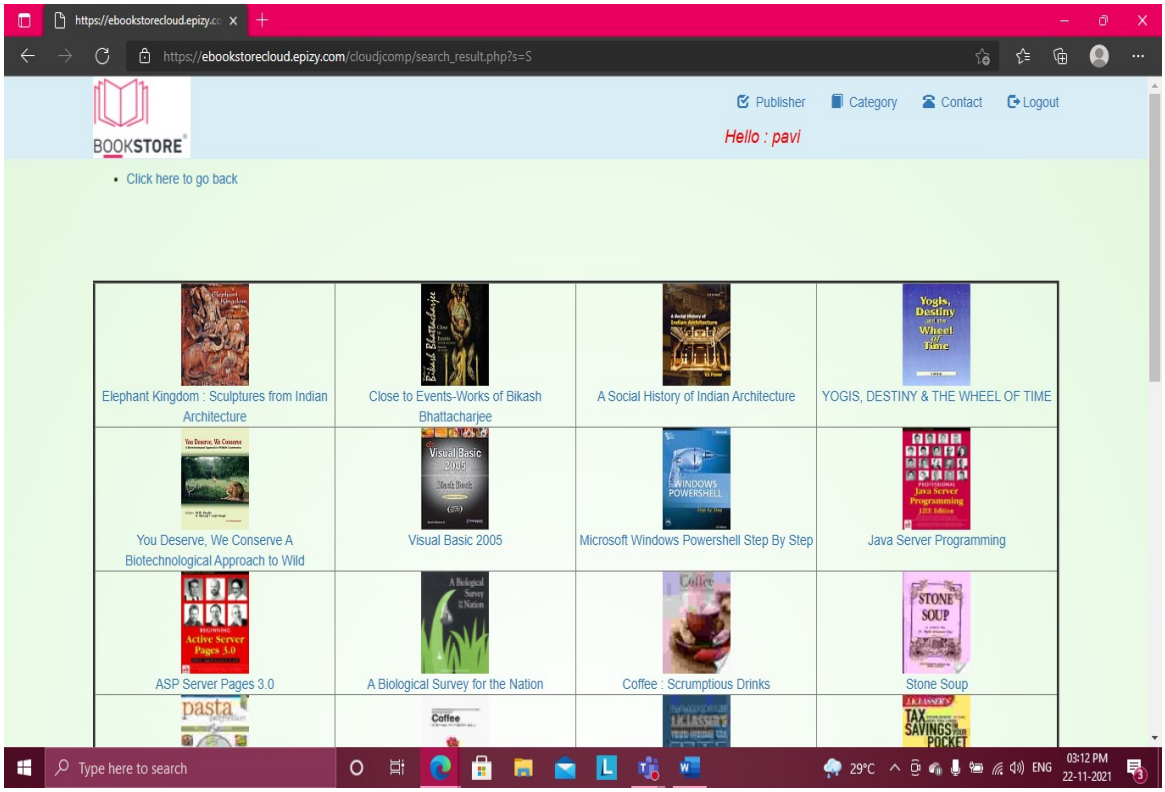




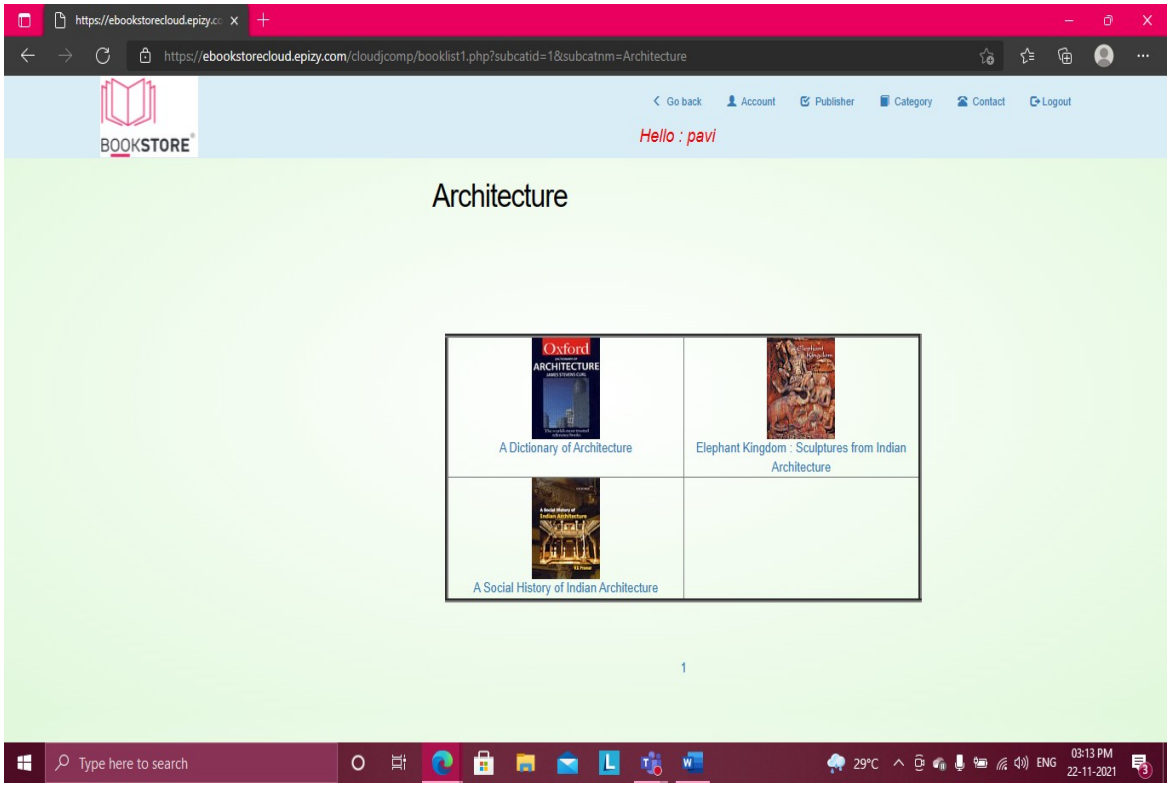
ALL BOOKS:



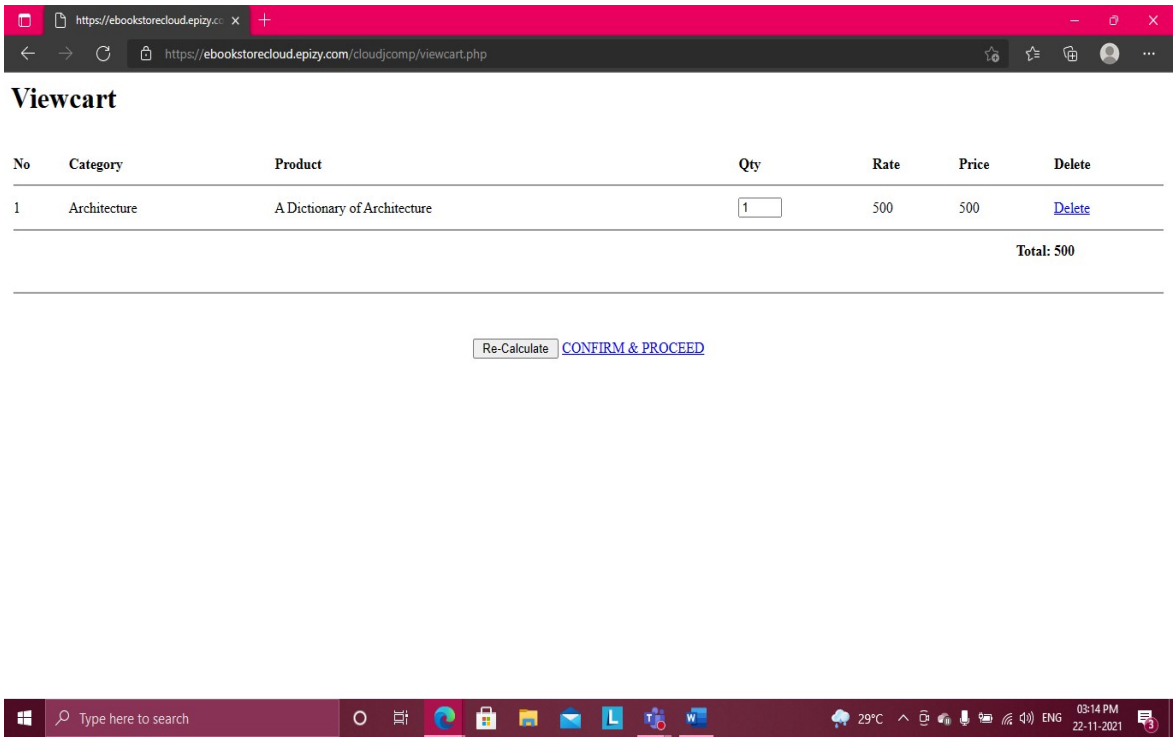
EXAMPLE PAGE FOR SEACHING BOOKS WHICH HAS CHARACTER 'S' IN IT:



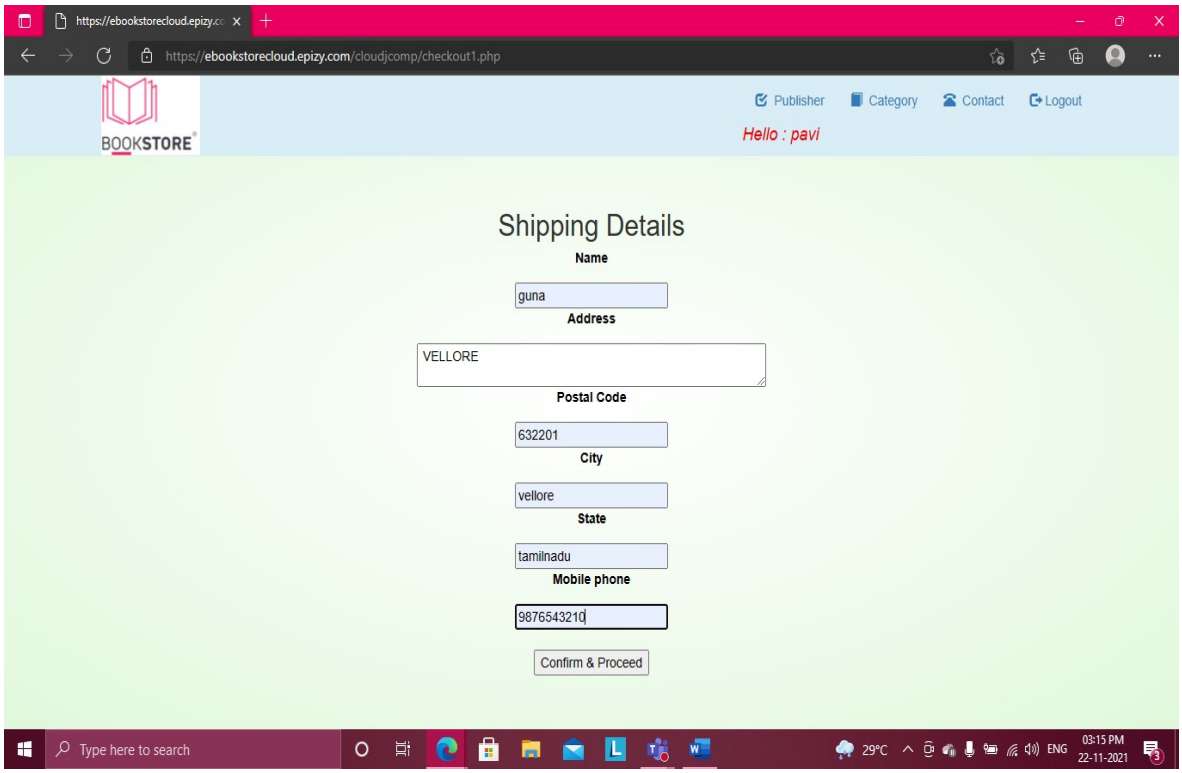
BOOKS AVAILABLE IN ARCHITECTURE CATEGORY:



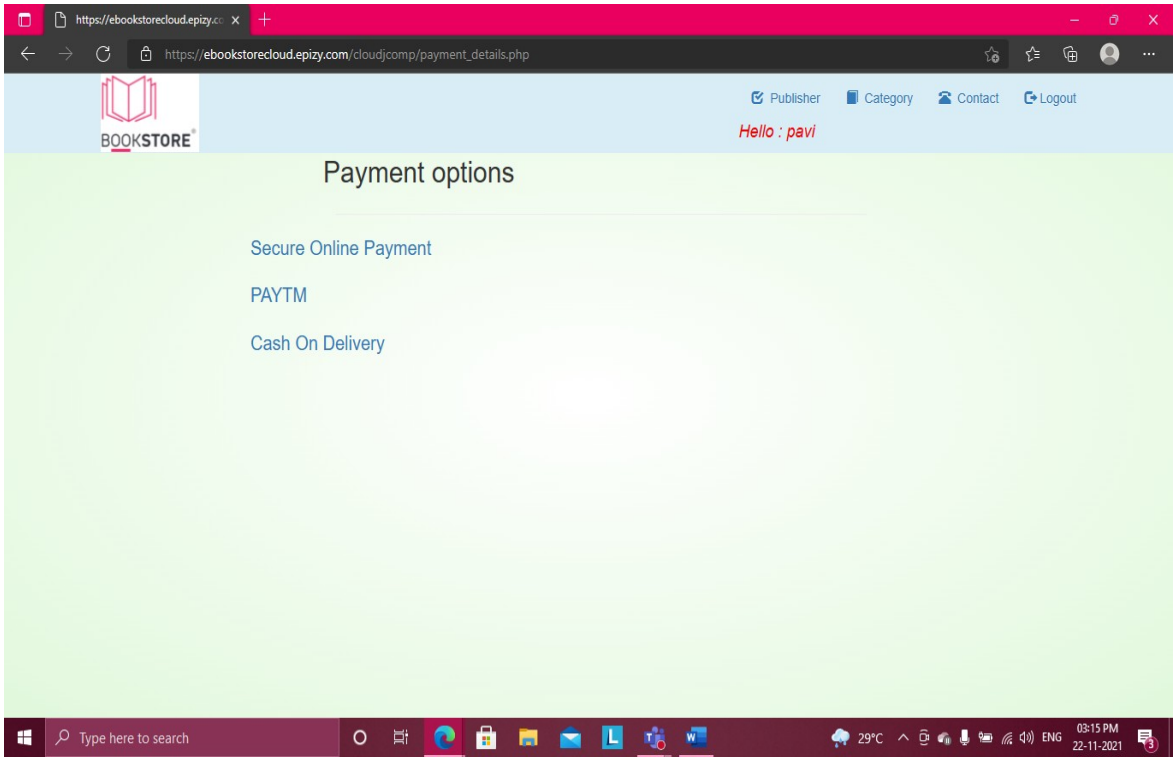
CART MODULE:



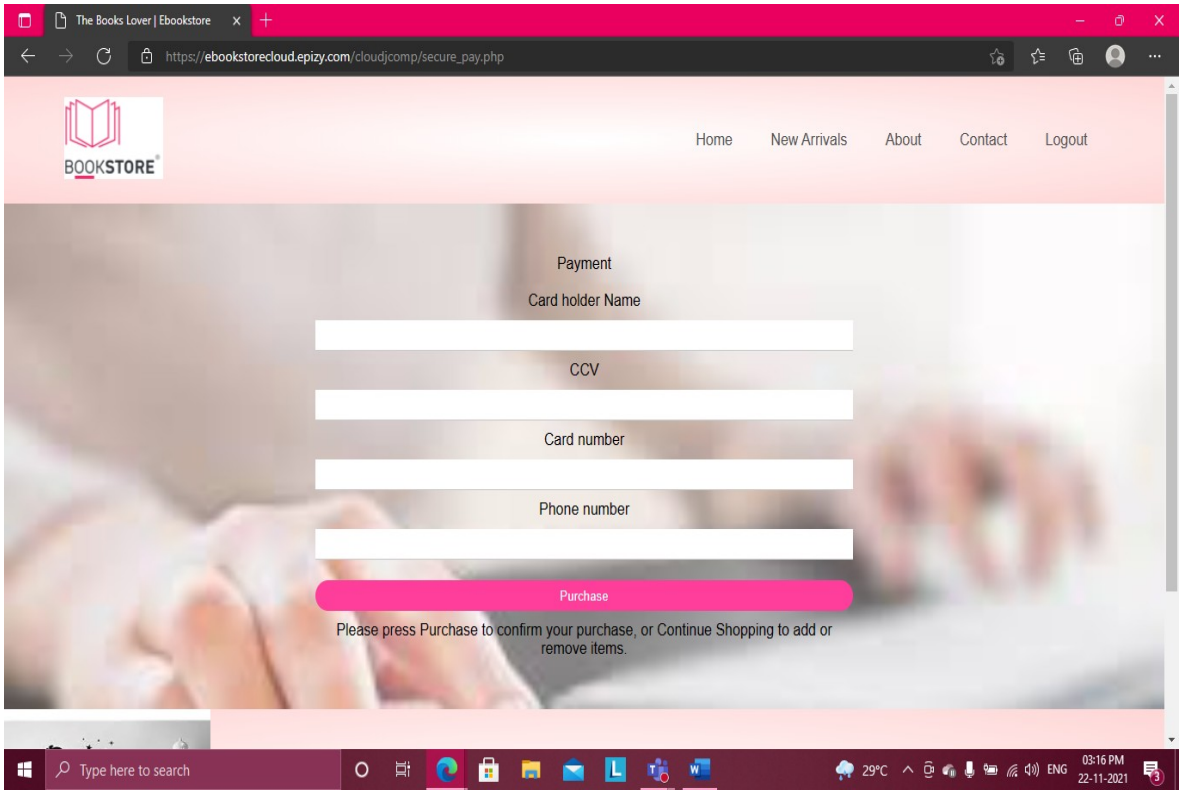
SHIPPING DETAILS:



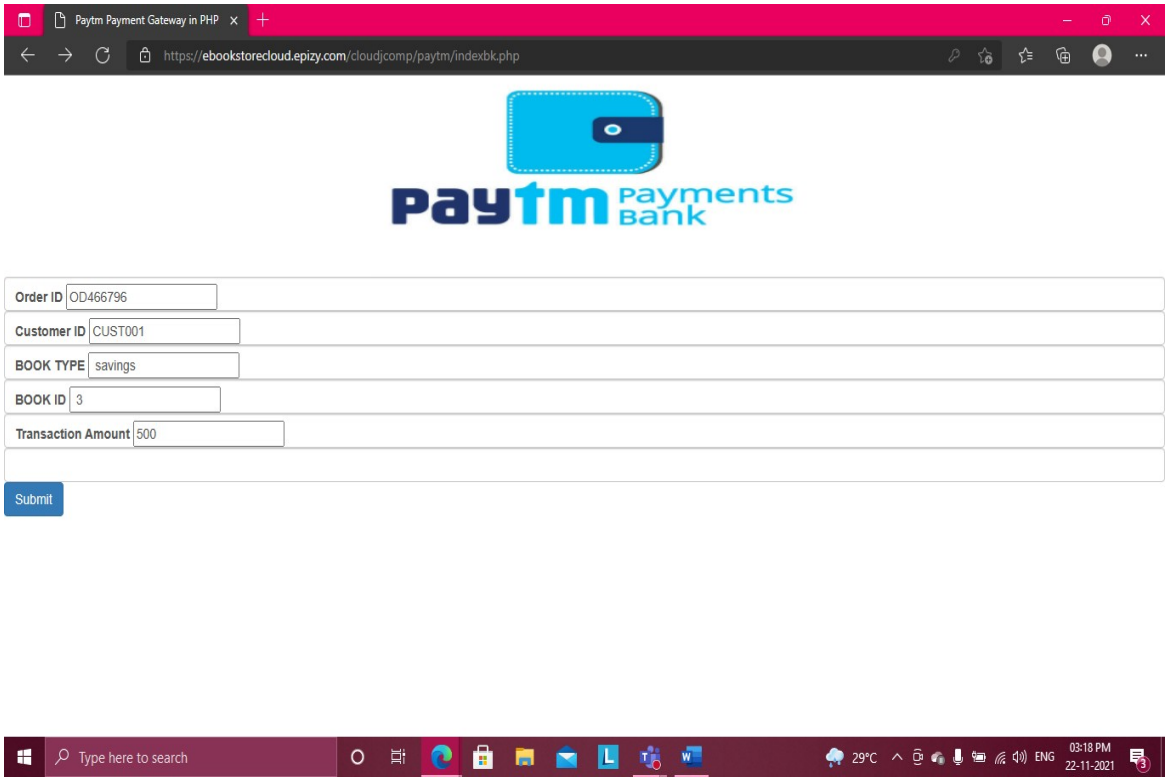
PAYMENT MODULE:



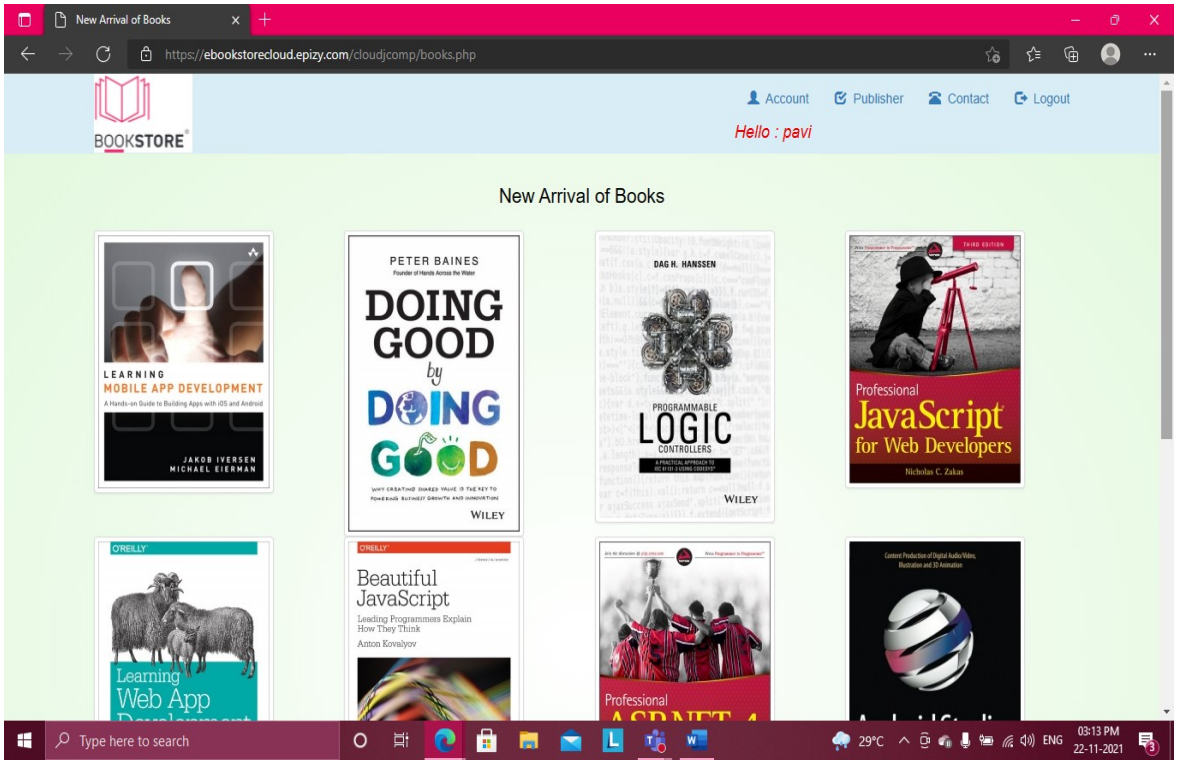
PAYMENT THROUGH ONLINE MODE:



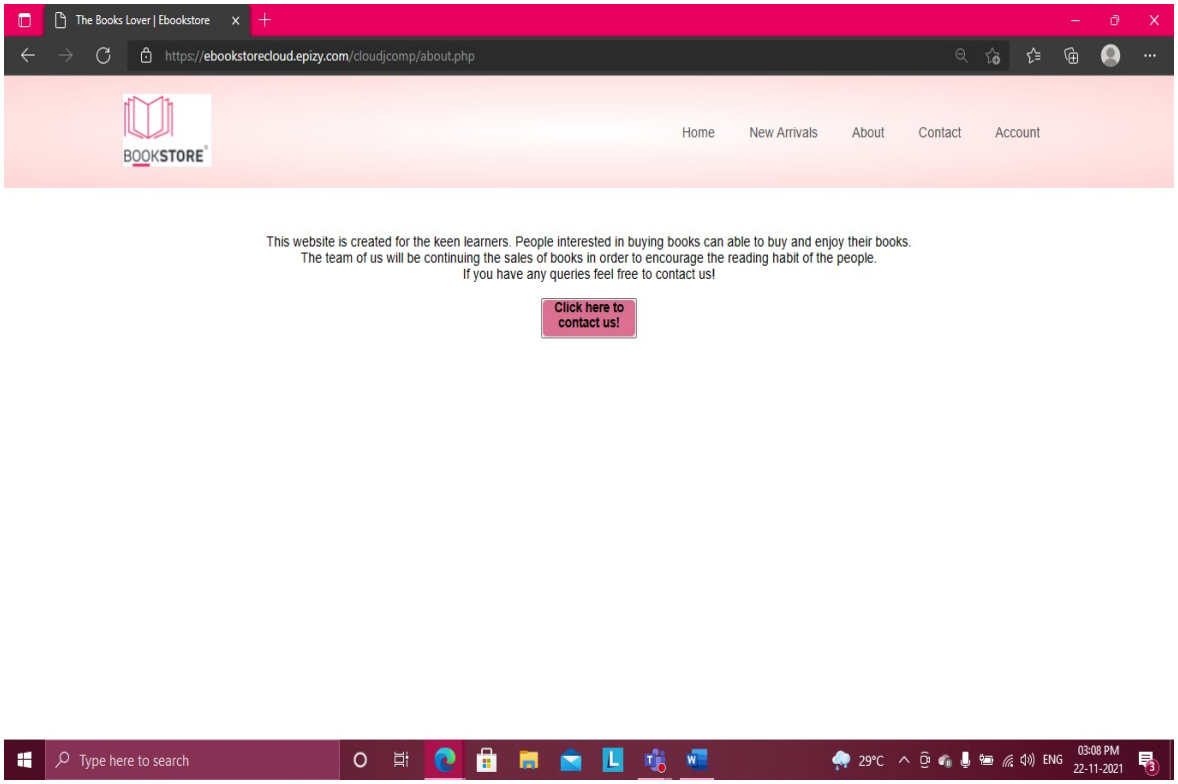
PAYMENT THROUGH PAYTM:



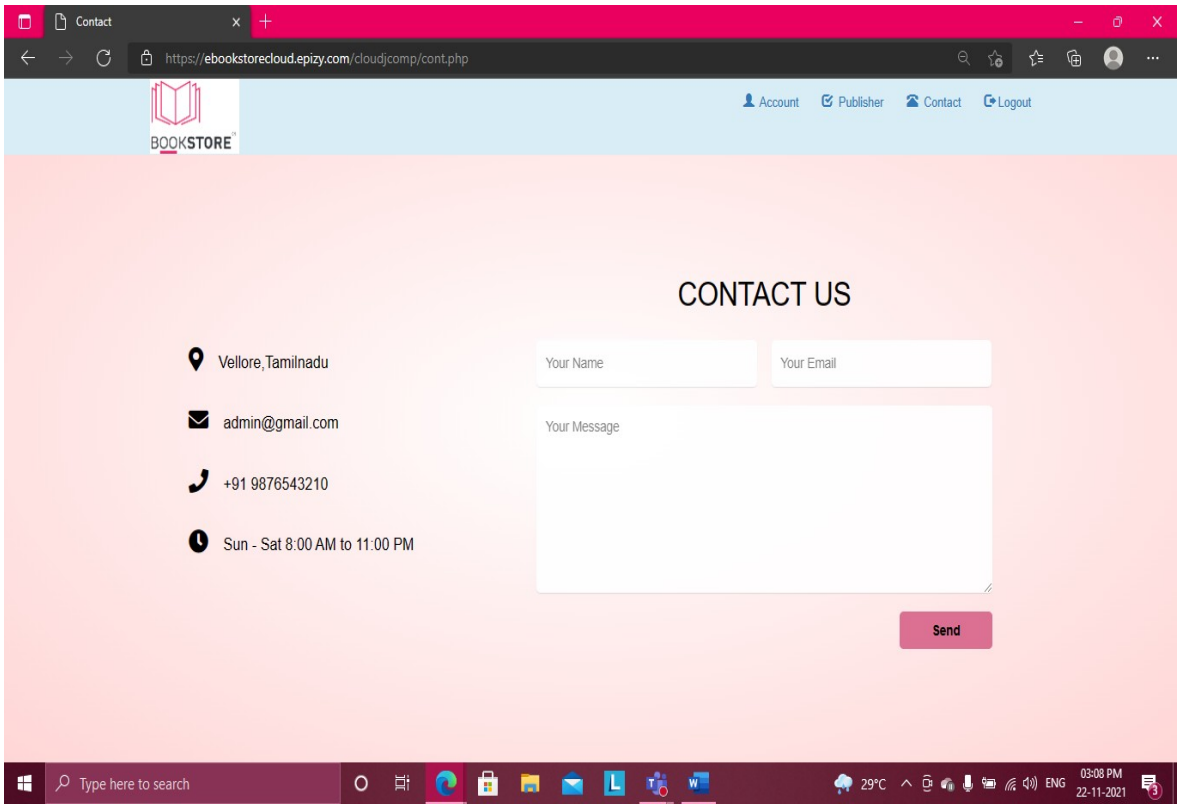
NEW ARRIVAL MODULE:



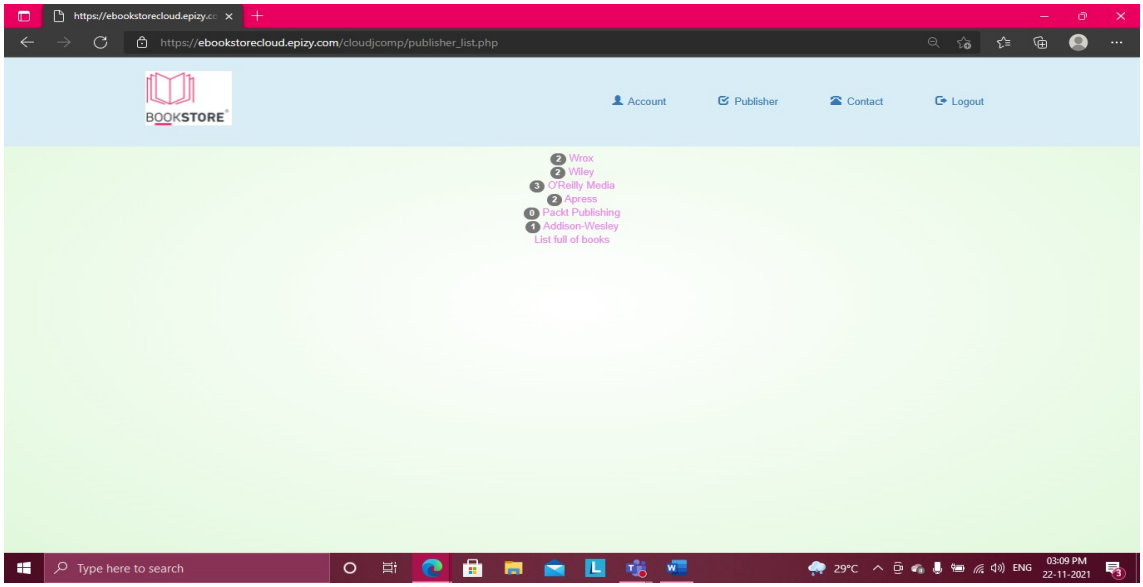
ABOUT PAGE:



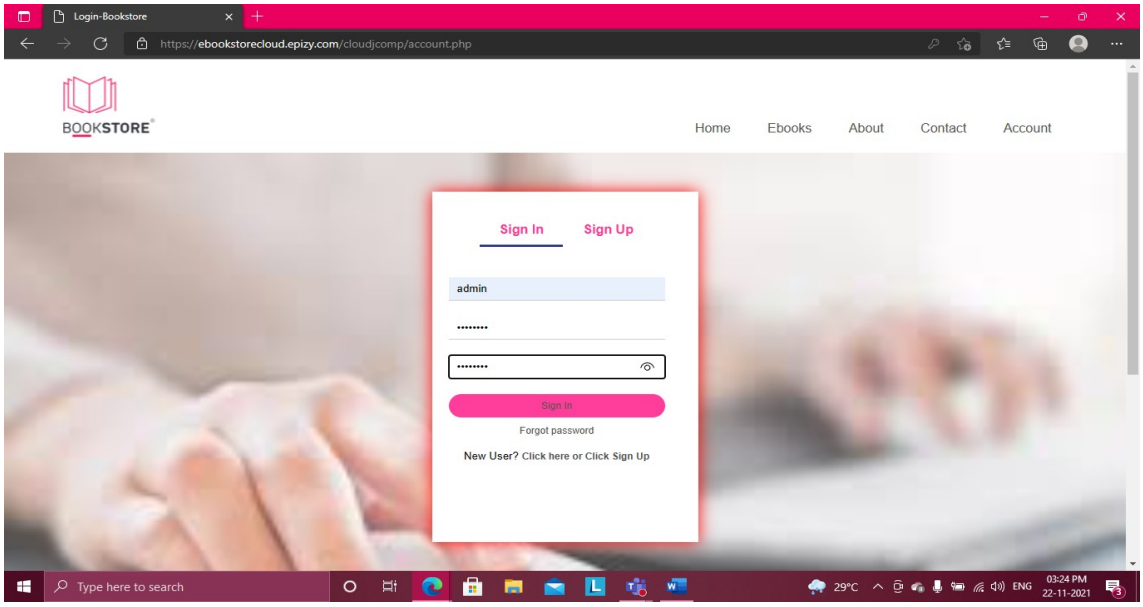
CONTACT MODULE:



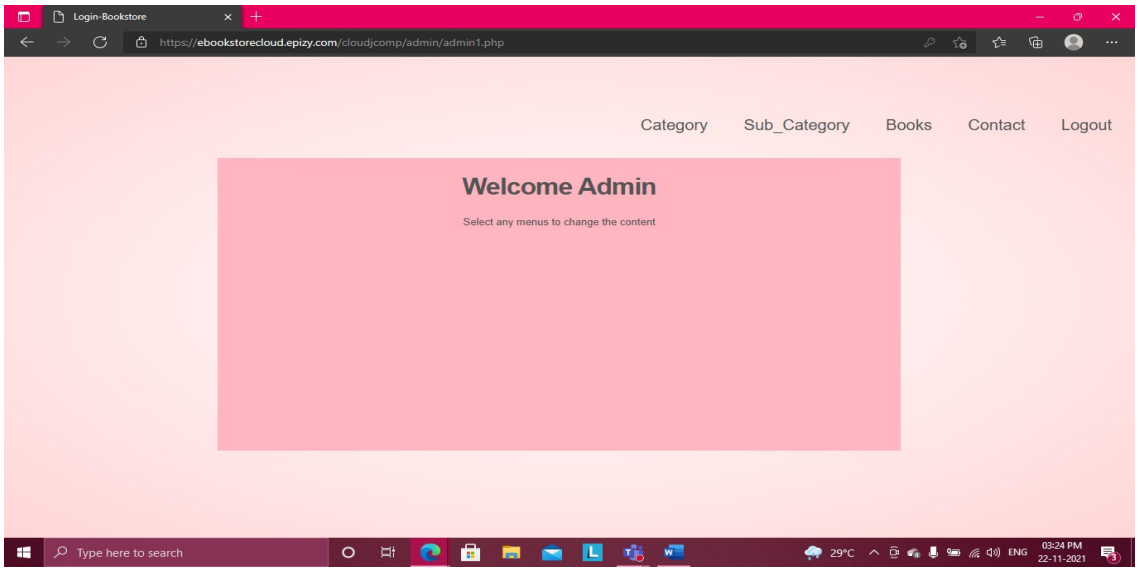
PUBLISHER MODULE:



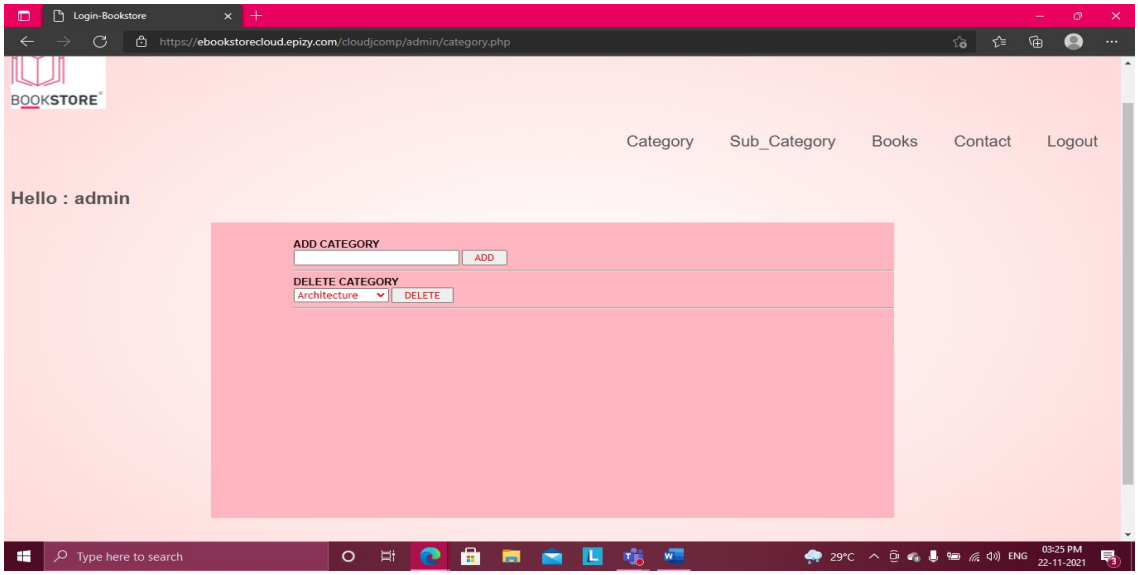
ADMIN LOGIN:



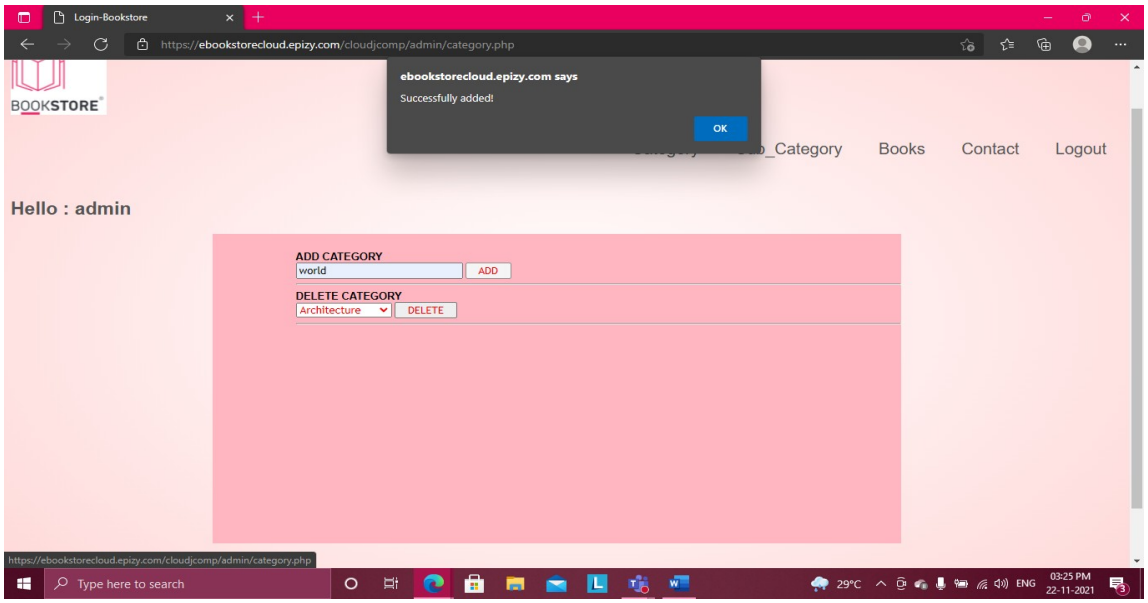
ADMIN HOMEPAGE:



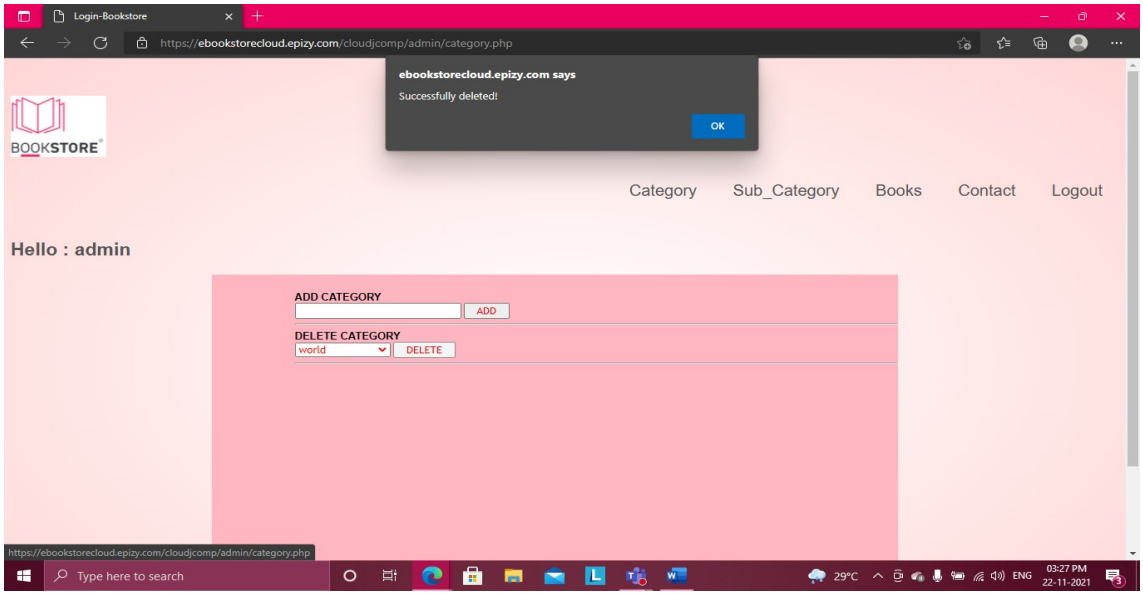
CATEGORY MODULE:



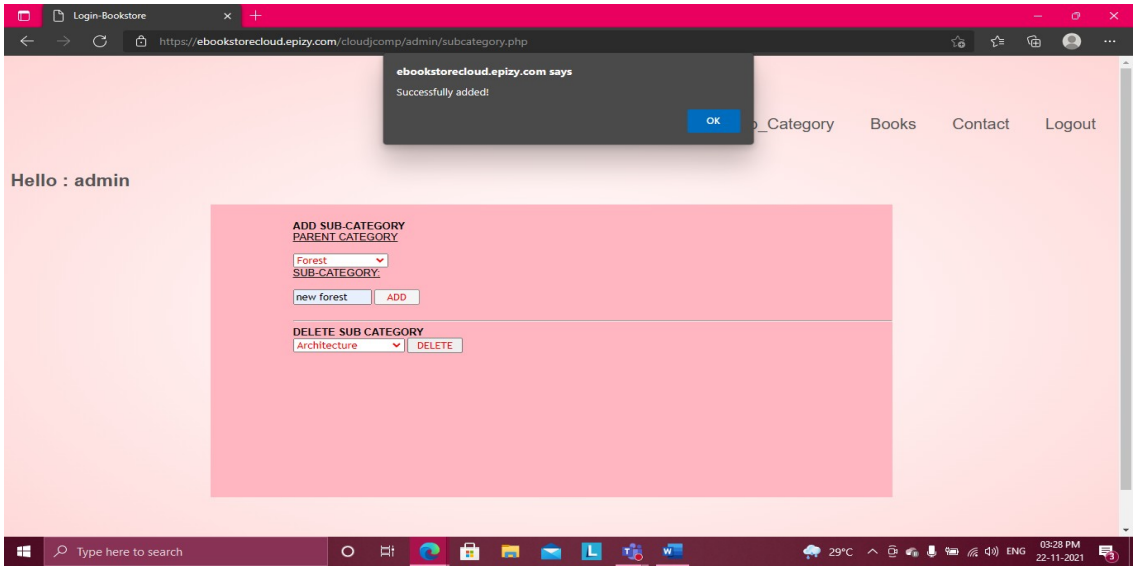
ADDING A NEW CATEGORY:



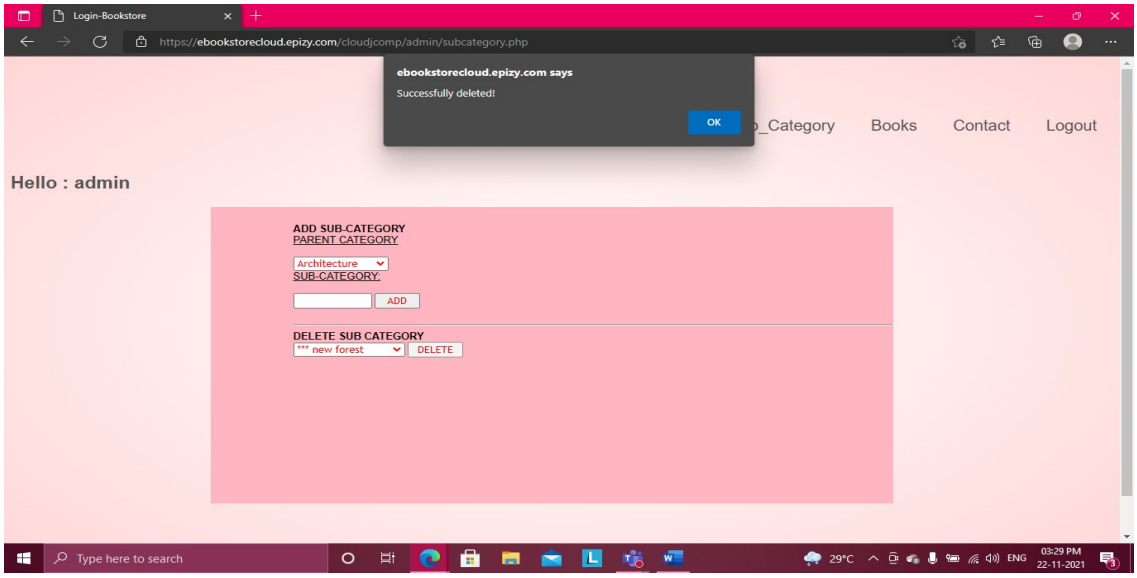
DELETING CATEGORY:



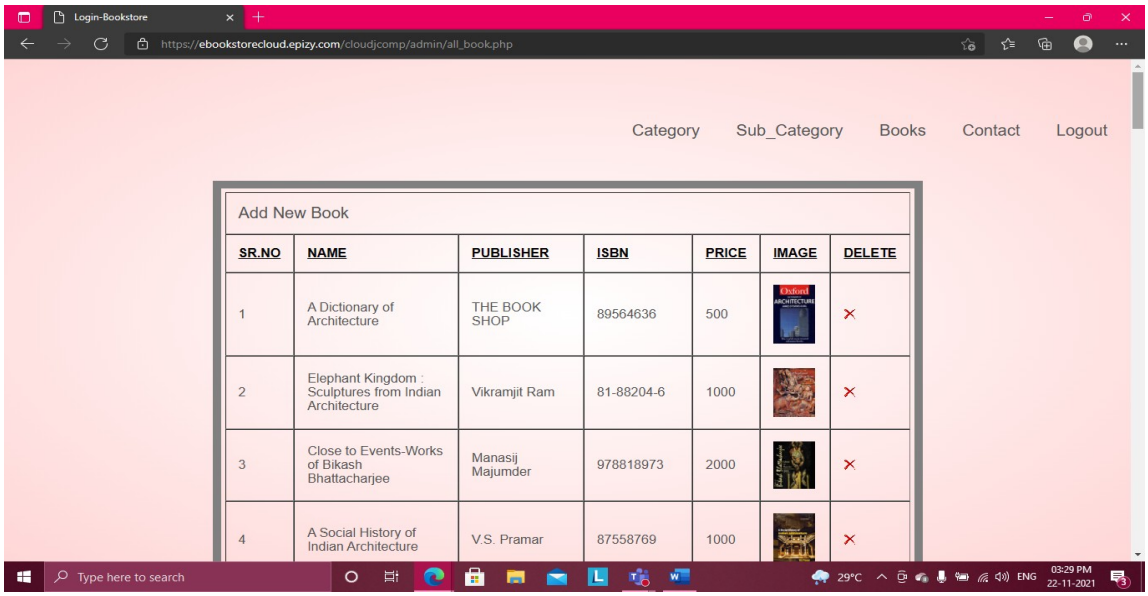
SUB CATEGORY: ADDING NEW SUB-CATEGORY:

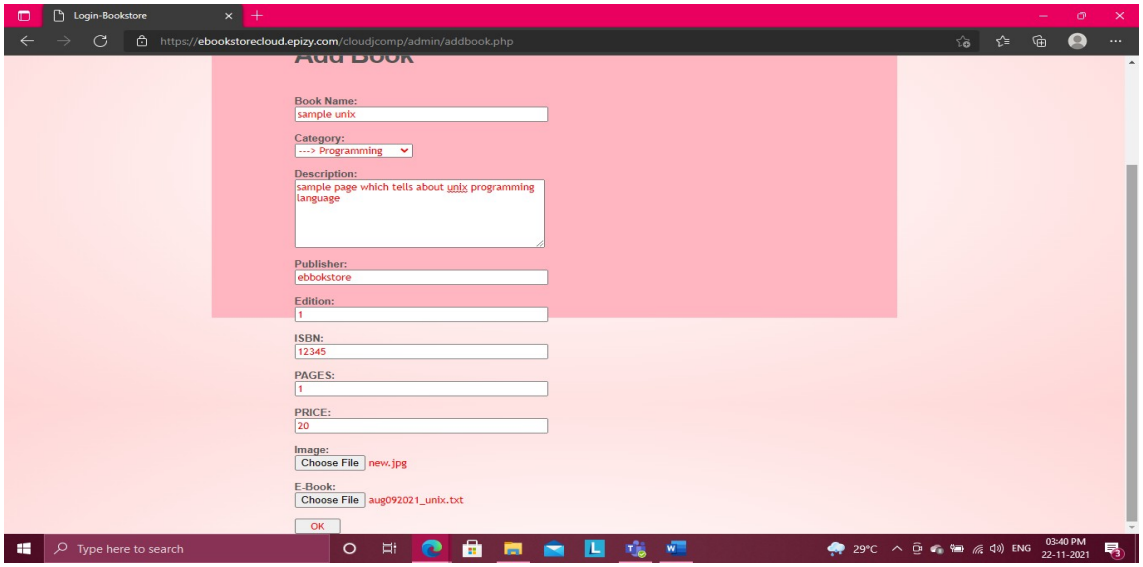


DELETING SUB-CATEGORY:

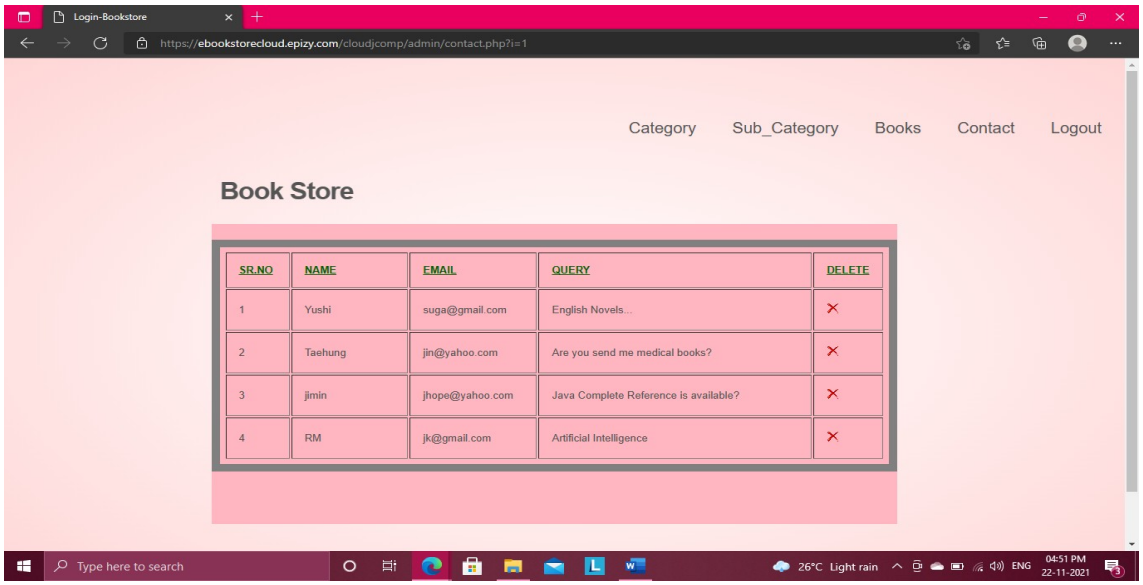


AVAILABLE BOOKS:

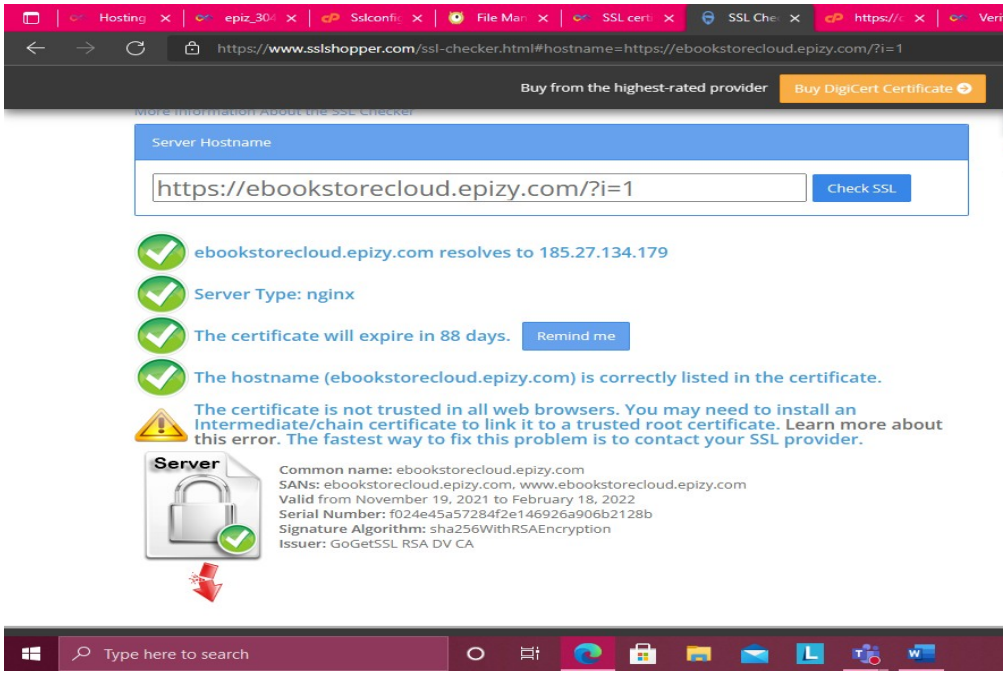




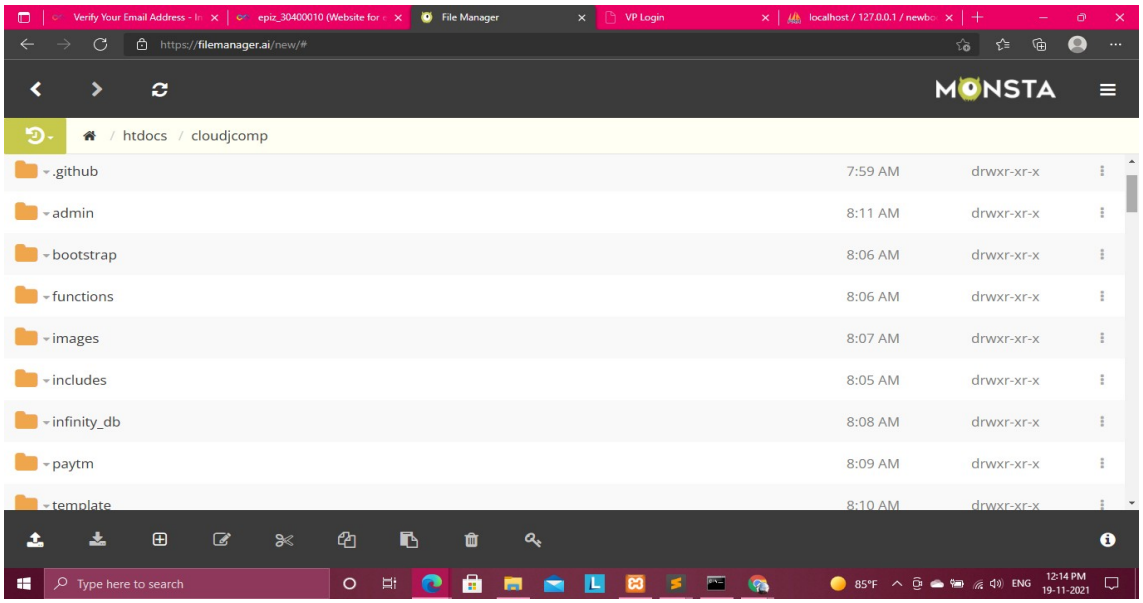
ADMIN CONTACT:



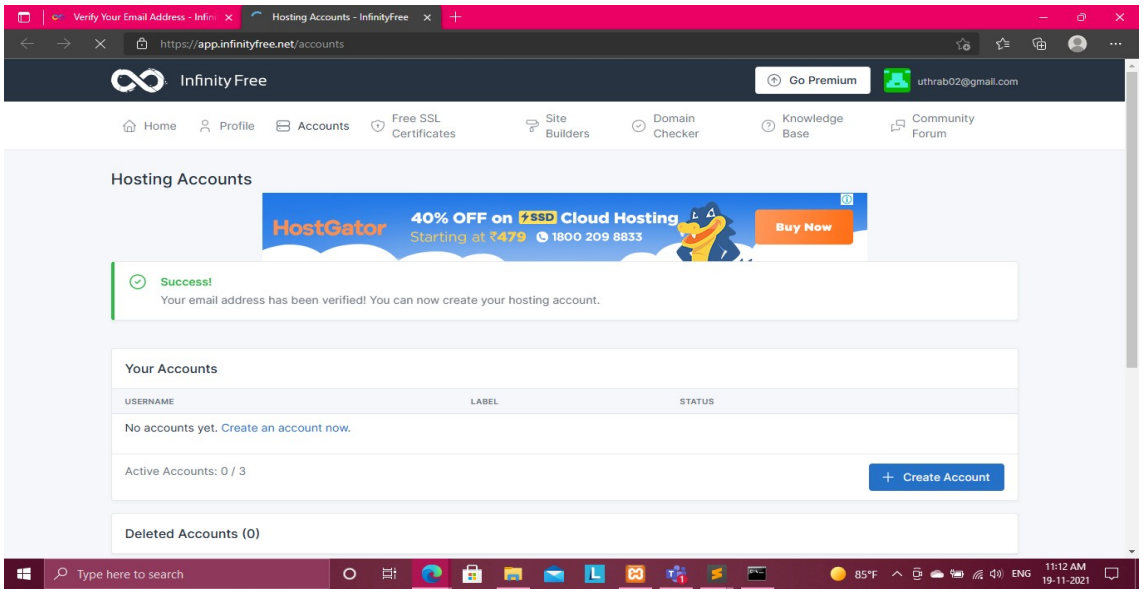
SSL CERTIFICATE:

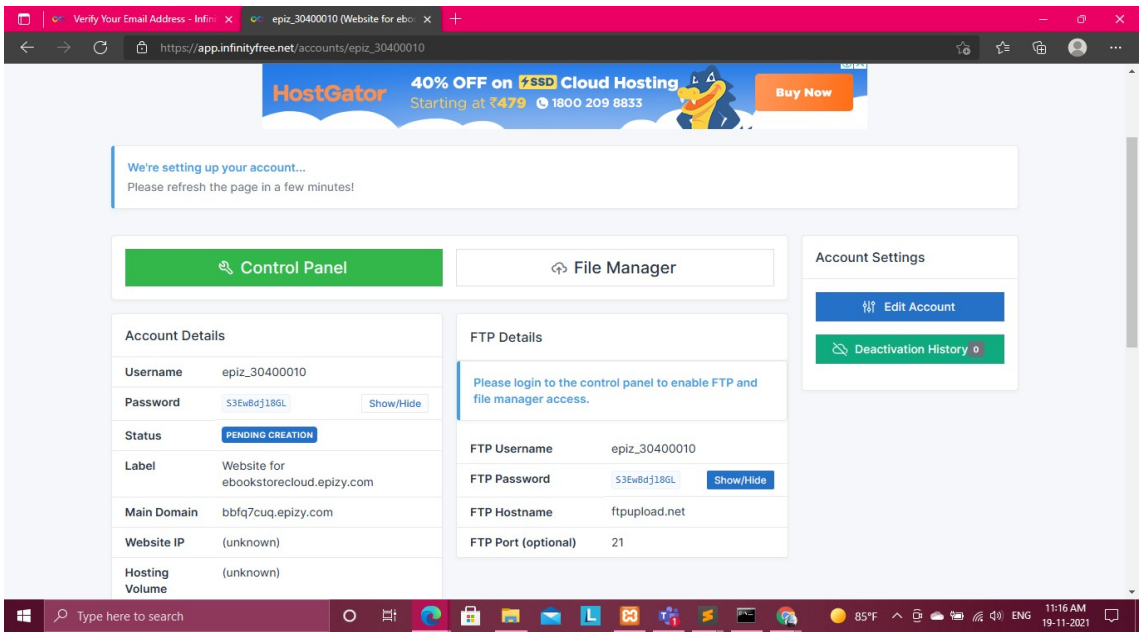


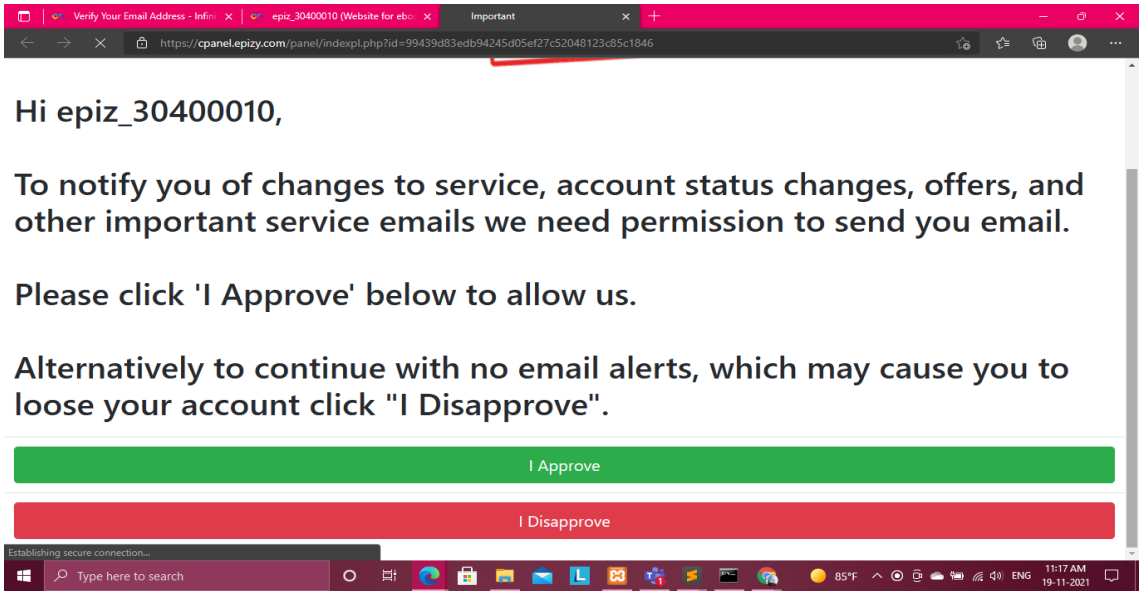
REPOSITORY:

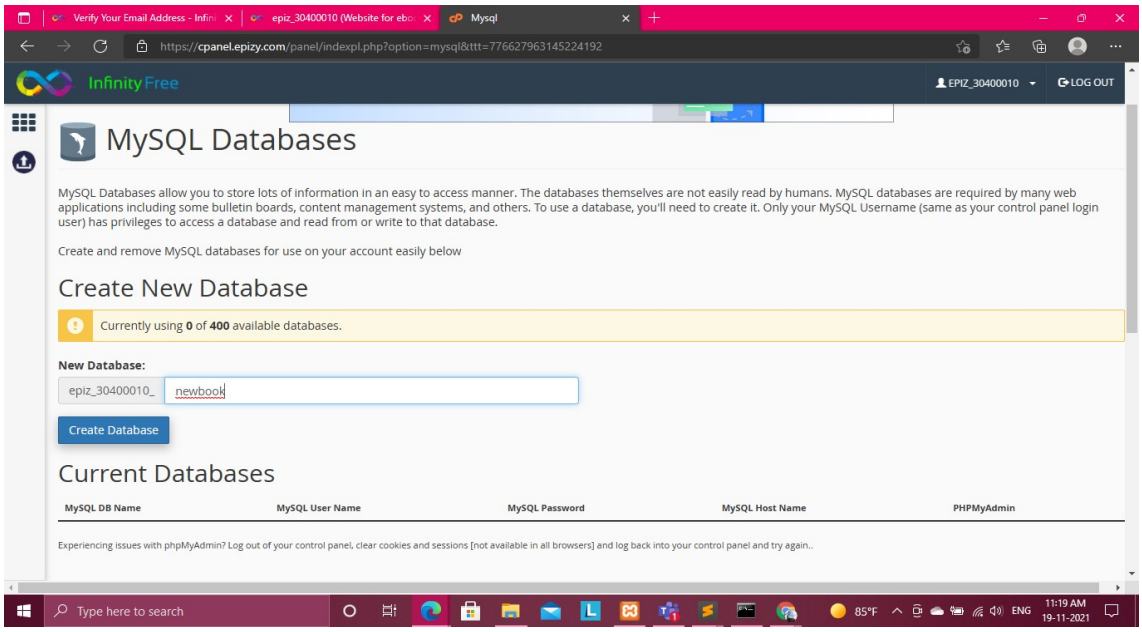


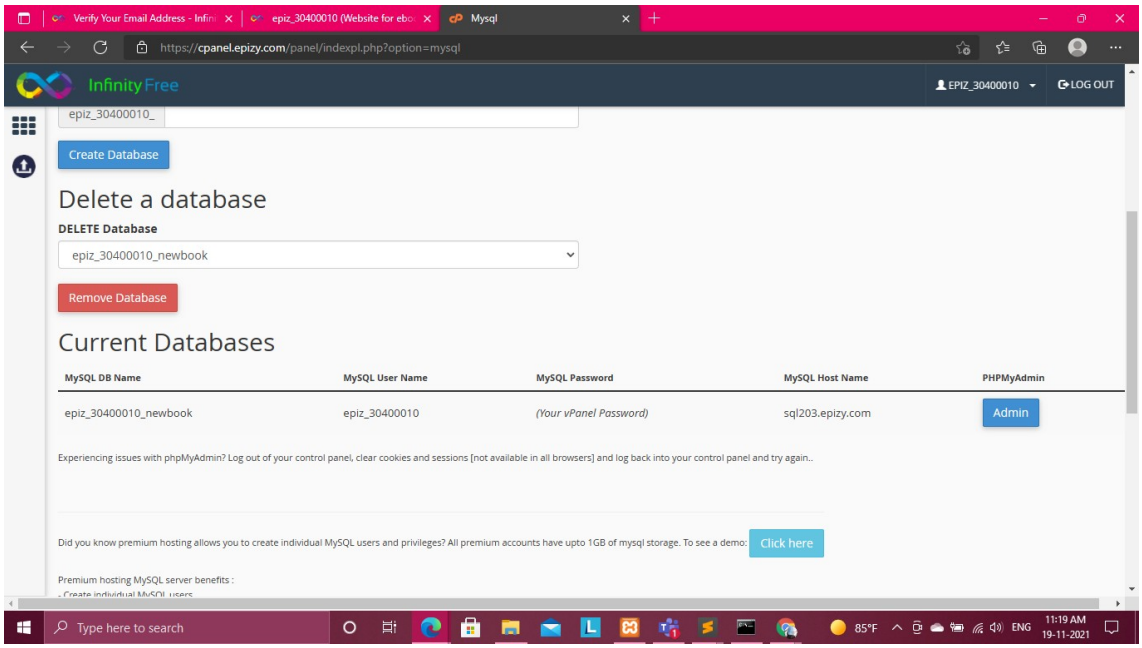
DEPLOYMENT:






Hi epiz_30400010,
To notify you of changes to service, account status changes, offers, and other important service emails we need permission to send you email.
Please click 'I Approve' below to allow us.
Alternatively to continue with no email alerts, which may cause you to loose your account click "I Disapprove".
I Approve
I Disapprove


MySQL Databases
MySQL Databases allow you to store lots of information in an easy to access manner. The databases themselves are not easily read by humans. MySQL databases are required by many web applications including some bulletin boards, content management systems, and others. To use a database, you'll need to create it. Only your MySQL Username (same as your control panel login user) has privileges to access a database and read from or write to that database.
Create and remove MySQL databases for use on your account easily below
Create New Database
Currently using 0 of 400 available databases.
New Database:
epiz_30400010_
newbook
Create Database
Current Databases
MySQL DB Name
MySQL User Name
MySQL Password
MySQL Host Name
PHPMyAdmin
Experiencing issues with phpMyAdmin? Log out of your control panel, clear cookies and sessions [not available in all browsers] and log back into your control panel and try again..


Create Database
Delete a database
DELETE Database
epiz_30400010_newbook
Remove Database
Current Databases
MySQL DB Name
MySQL User Name
MySQL Password
MySQL Host Name
PHPMyAdmin
epiz_30400010_newbook
epiz_30400010
(Your vPanel Password)
sql203.epizy.com
Admin
Experiencing issues with phpMyAdmin? Log out of your control panel, clear cookies and sessions [not available in all browsers] and log back into your control panel and try again..
Did you know premium hosting allows you to create individual MySQL users and privileges? All premium accounts have upto 1GB of mysql storage. To see a demo:
Click here
Premium hosting MySQL server benefits :

8. CONCLUSION:

We have designed the project to provide the user with easy navigation, retrieval of data and necessary feedback as much as possible. In this project, the user is provided with an e-commerce web site that can be used to buy books online. To implement this as a web application we used PHP as the Technology. PHP has several advantages such as enhanced performance, scalability, built- in security and simplicity. To build any web application using PHP we need a programming language such as HTML, CSS. A good shopping cart design must be accompanied with user-friendly shopping cart application logic. It should be convenient for the customer to view the contents of their cart and to be able to remove or add items to their cart. The shopping cart application described in this project provides a number of features that are designed to make the customer more comfortable. This project helps in understanding the creation of an interactive web page and the technologies used to implement it. The building of the project has given a precise knowledge about how PHP is used to develop a website, how it connects to the database to access the data and how the data and web pages are modified to provide the user with a shopping cart application. The most admirable feature founded was its simplicity in terms of application to the user but its highly beneficial outputs can't be ignored. The users will be highly benefited after using the system. It is hoped that this project will help the future developers to modify and implement the system. After modifying some techniques of the programs, it will give us the best performance as our requirements. The project will be very useful for the users.

9. FUTURE DEVELOPMENT:

a) This system is not configured for multi- users at this time. The concept of transaction can be used to achieve this.
b) Paytm validation is not done. Third party software can be used for validation check.
c) The Administrator of the web site can be given more functions, like looking at a specific customer's profile, the books that have to be reordered, etc.
d) Multiple Shopping carts can be allowed

10. REFERENCES:

https://dev.to/billy_de_cartel/hosting-a-website-on-infinity-free-for-free-192f

https://www.academia.edu/39438429/Online_Book_Store_Project_Report

https://www.daitm.org.in/wp-content/uploads/2019/04/15499016006_SubarnaDay.pdf

https://people.cs.ksu.edu/~vamsim/vamsi_Report_Draft1.pdf