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Synopsis on
ONLINE BOOKSTORE MANAGEMENT

Submitted in partial fulfillment of the degree of
Bachelor of Engineering(Sem-3)

in
Computer Engineering

By

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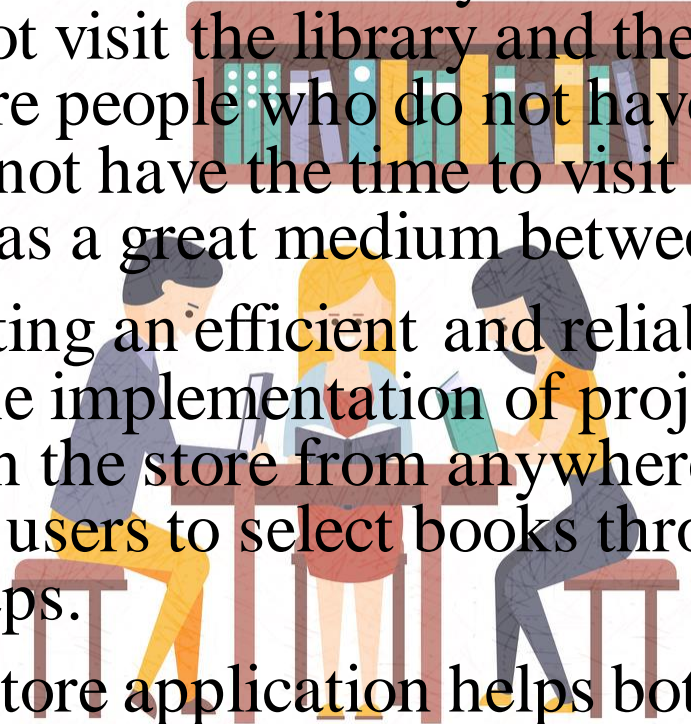
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ABSTRACT

- Nothing can beat the feeling of reading a book at a library. Library will always be the most important platform supporting books. But there are many instances where we cannot visit the library or a bookstore. Amidst the Covid crisis most of us could not visit the library and the bookstore. And even if there is no Covid there are people who do not have a library in their vicinity or many a times they do not have the time to visit the library. In such cases an online book store serves as a great medium between people and books.
- This project aims at creating an efficient and reliable online book selling and buying platform. After the implementation of project, one can inquire and buy any book available in the store from anywhere. Online book store is a web application to allow users to select books through internet and get them delivered to their doorsteps.
- As this web-based bookstore application helps both the buyer and the seller, it is beneficial to both of them. It saves the time of buyer by providing access to bookstore from anywhere and facilitating the home delivery service. The use of the proposed online software keeps the record of sold and stock books automatically in the database.



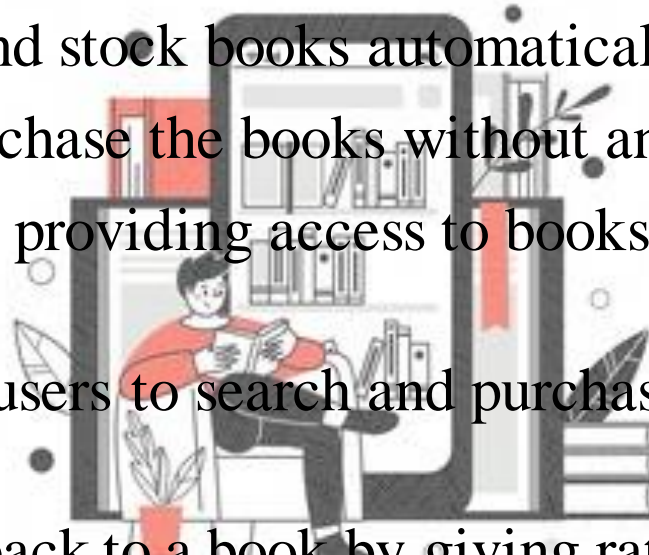
1.1 Problem definition

- The current system involves a physical show room where customer searches for his required book and purchases them.
- This process requires every aspect(customer, book, money, seller) to be physically present at the sales spot.
- The aim is to build a website as a front end of a bookstore to eliminate this physical presence at sale spot and purchasing a book easier.



1.2 Objective

- Here we try to develop such type of system which provides automation on any type of the bookshop.
- It keeps the record of sold and stock books automatically in the database.
- It helps the customers to purchase the books without any complexity.
- It saves the time of buyer by providing access to bookstore from anywhere and facilitating the home delivery service.
- Online bookstore allows its users to search and purchase a book online based on title, author and subject.
- The user can also give feedback to a book by giving ratings on a score of five and can also leave a review. This can be helpful for the customers who intend to purchase that particular book.

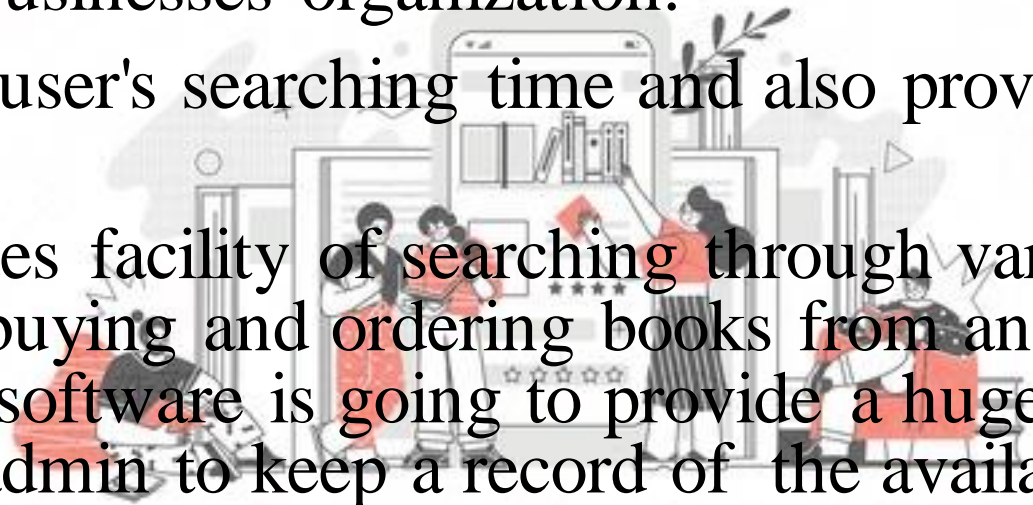


1.3 Scope

This project has a wide scope, as it is not intended to a particular organization. This project is going to develop generic software, which can be applied by any businesses organization.

It aims at reducing user's searching time and also providing user friendly environment.

More over it provides facility of searching through various books sorted category wise and buying and ordering books from anywhere to its customer. Also the software is going to provide a huge amount of summary data. It allows the admin to keep a record of the available stock and sold books.



1.4 Existing System/Project

- Currently we have to take out time to go to a bookstore if we want to purchase a book.
- In the present system to generate the reports based on the management requirement, extensive searching of records is needed.
- Also in the present system user and admin have to do all the work manually.
- During issuing order of more stock, the project register is required to check to availability of stock in hand and it takes time to check records.
- Many a times we have to wait a lot to issue or purchase a book if there is a lot of rush in libraries and stores.
- And sometimes the book we need to borrow or buy is also unavailable due to limited stock.
- Offline stores are restricted by time.

2 Technology Stack

Front-End : JSP, Html, CSS, JS.

Server-side: Servlet.

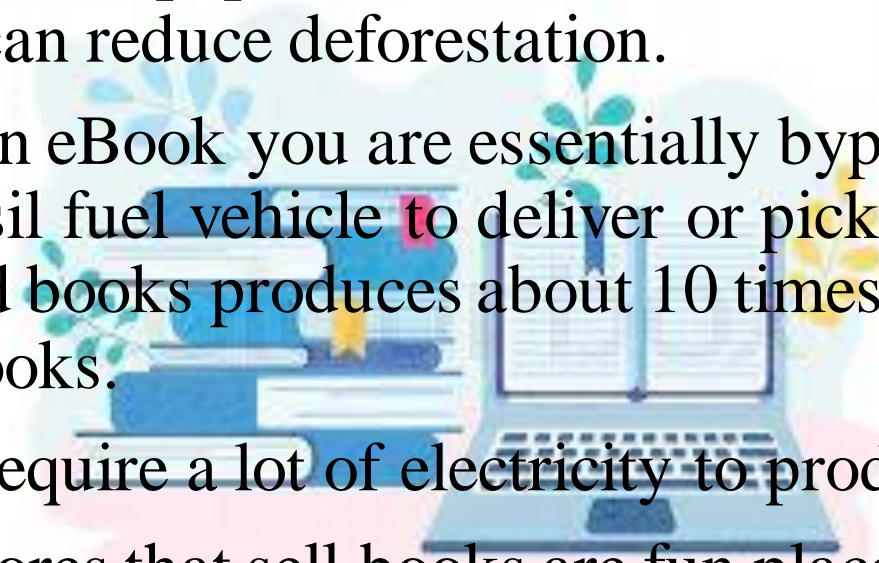
Back-end: MYSQL, Java.

Server: Tomcat 8.5.



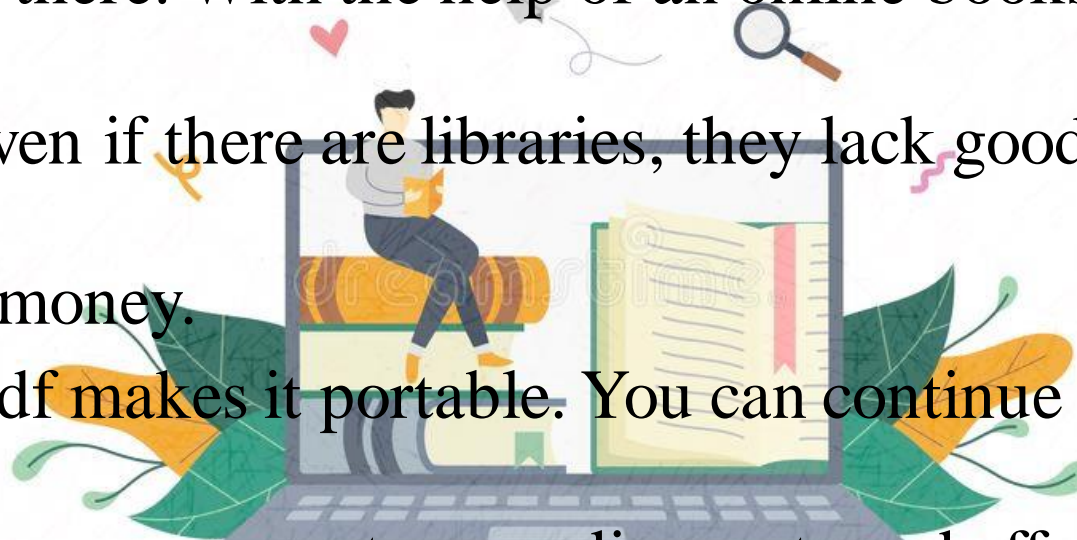
3.1 Benefits For Environment

- In printing of books lot of paper is utilized which means more deforestation. Downloading a pdf can reduce deforestation.
- Whenever you buy an eBook you are essentially bypassing the old requirement of a fossil fuel vehicle to deliver or pick up the product. The production of printed books produces about 10 times more CO₂ in the atmosphere than eBooks.
- Printing books also require a lot of electricity to produce traditional books.
- Even though book stores that sell books are fun places to spend time and read, think of all the amount of energy required to warm or cool such a large store.
- Physical presence of a bookstore also takes up a lot of land space. This land otherwise can also be utilized for greener means like planting trees, gardens or farming.



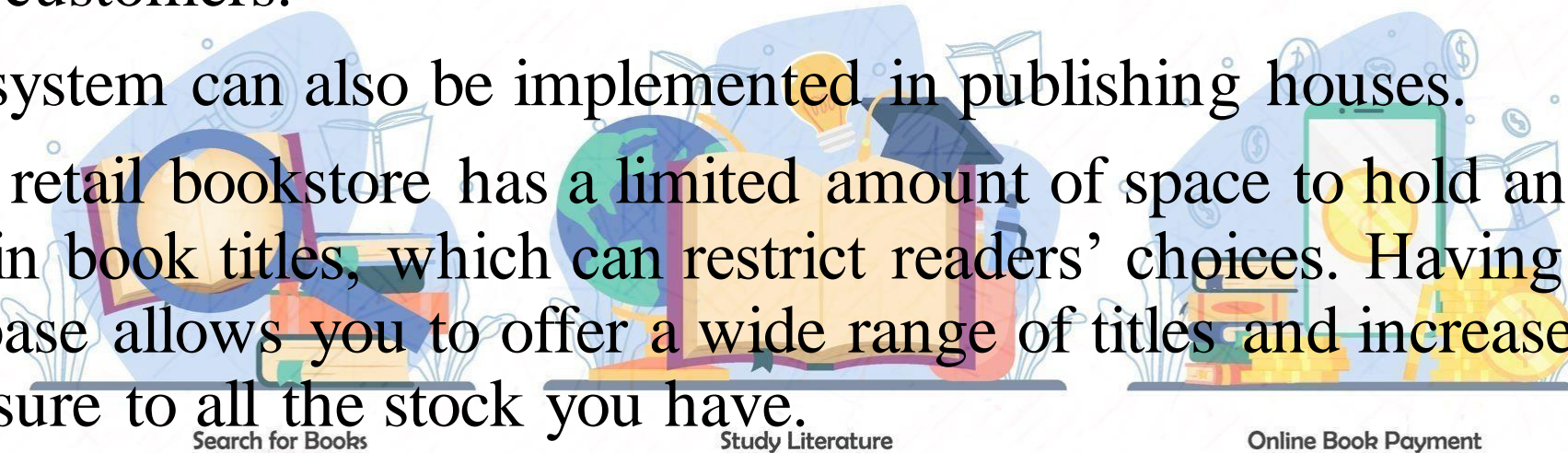
3.2 Benefits For Society

- Those who have bookstores situated far from their places have to take transport to reach there. With the help of an online bookstore this issue can be resolved.
- In remote areas even if there are libraries, they lack good reference books for higher studies.
- It saves time and money.
- Reading from a pdf makes it portable. You can continue your reading even if you are moving.
- In online bookstore one can get many discounts and offers.
- Customers can get their book delivered instead of actually going and buying the book.
- They can make payment online itself.



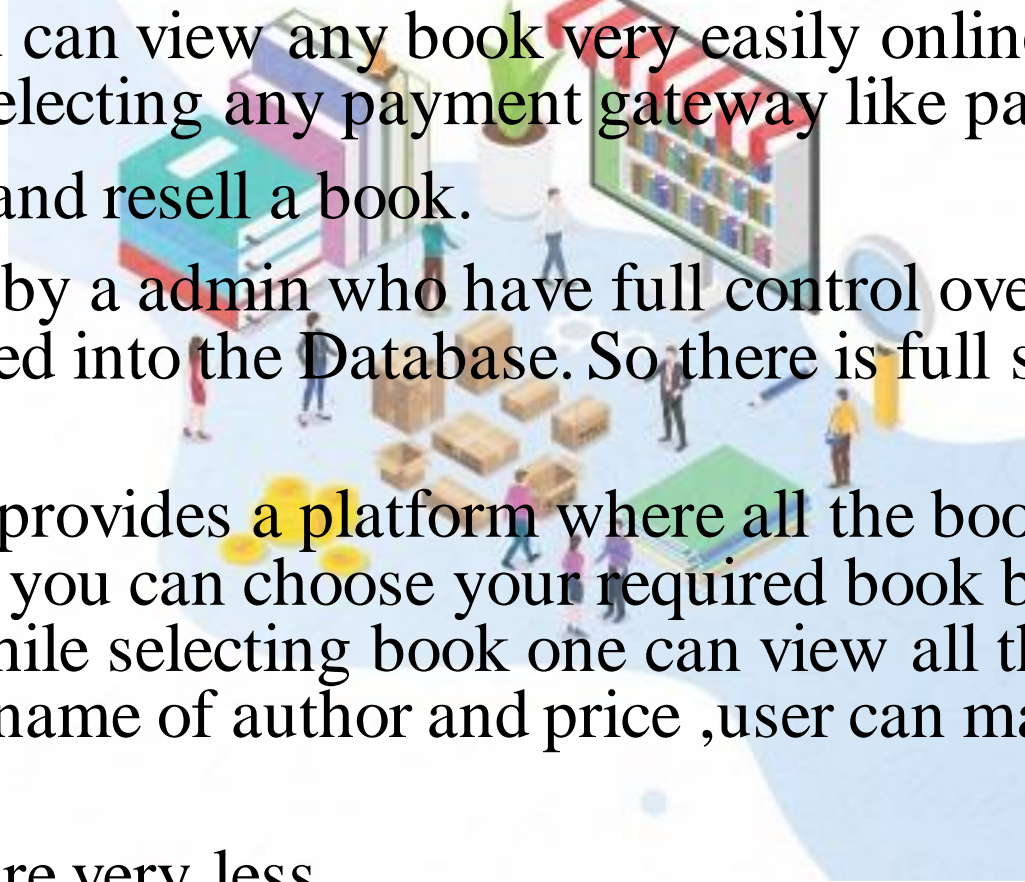
3.3 Applications

- The system can be very well used by the bookstore shopkeepers to expand their customers.
- The system can also be implemented in publishing houses.
- Your retail bookstore has a limited amount of space to hold and display certain book titles, which can restrict readers' choices. Having an online database allows you to offer a wide range of titles and increase their exposure to all the stock you have.
- A bookstore's presence online can give your business an edge to earn great results and meet the evolving needs of the modern customer.
- An online store is not limited and is cheaper.



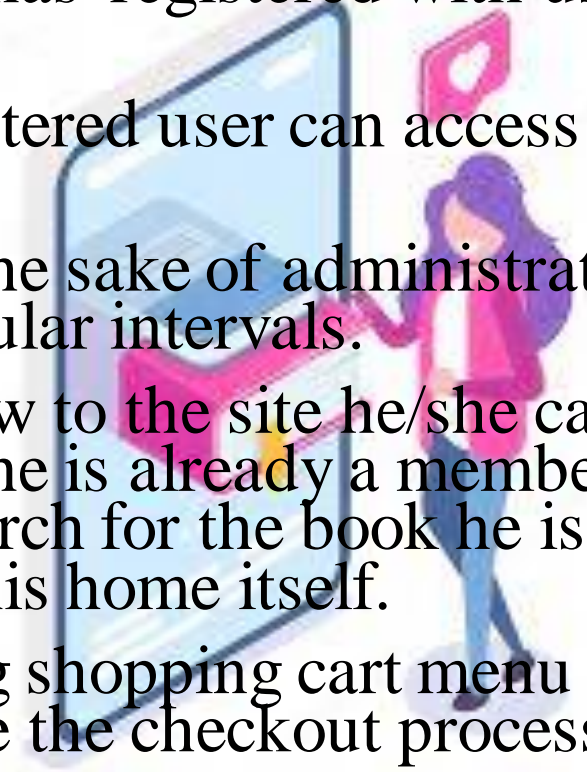
Project Design

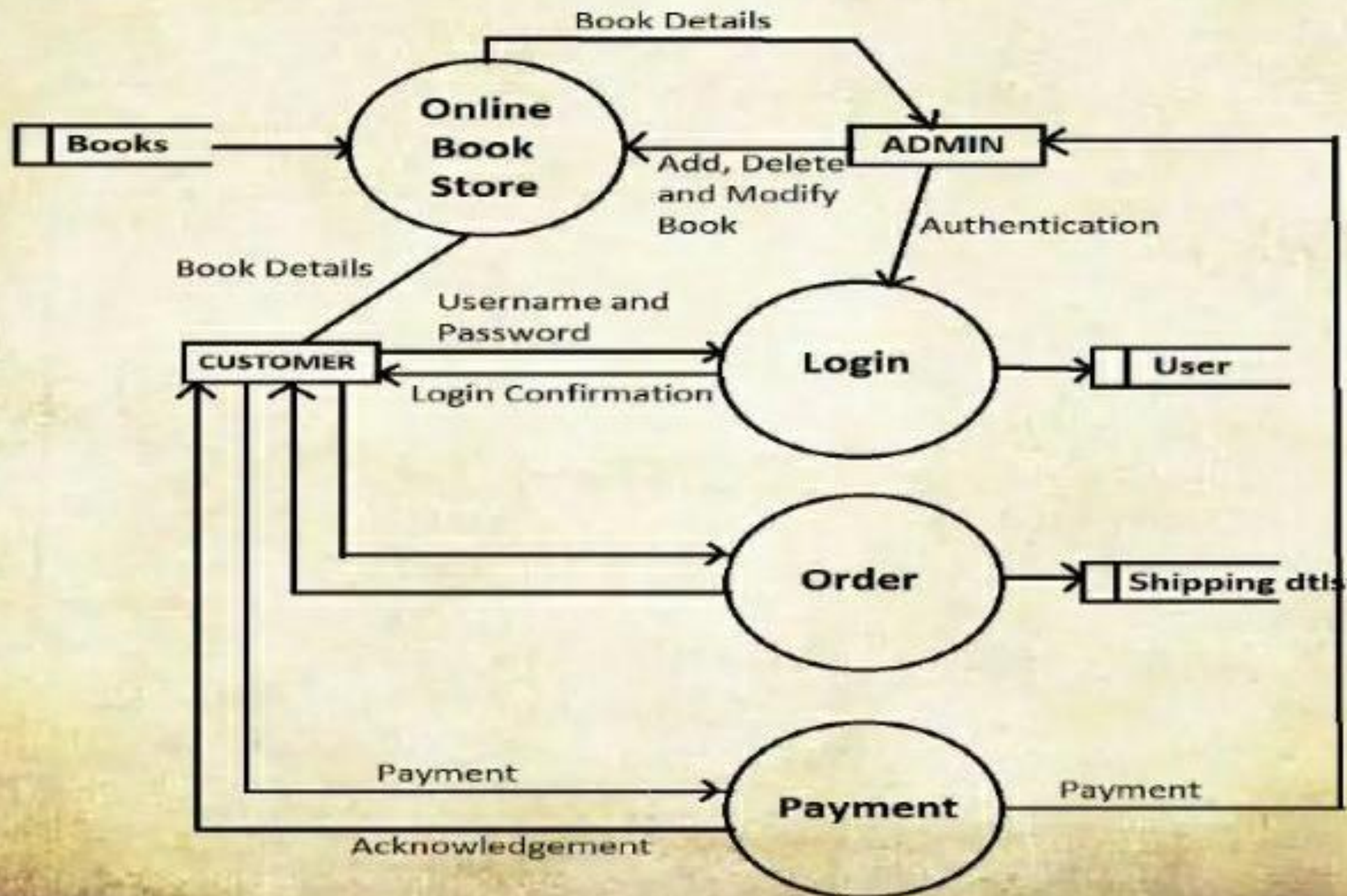
Proposed System

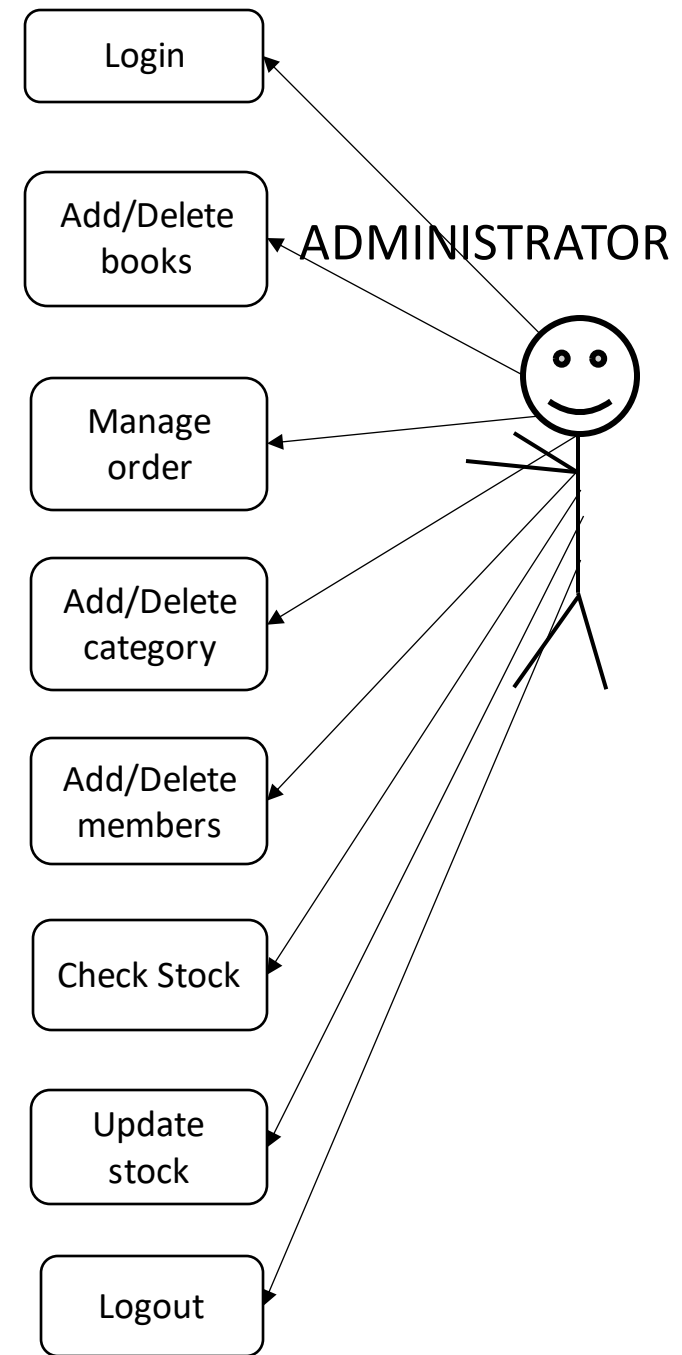
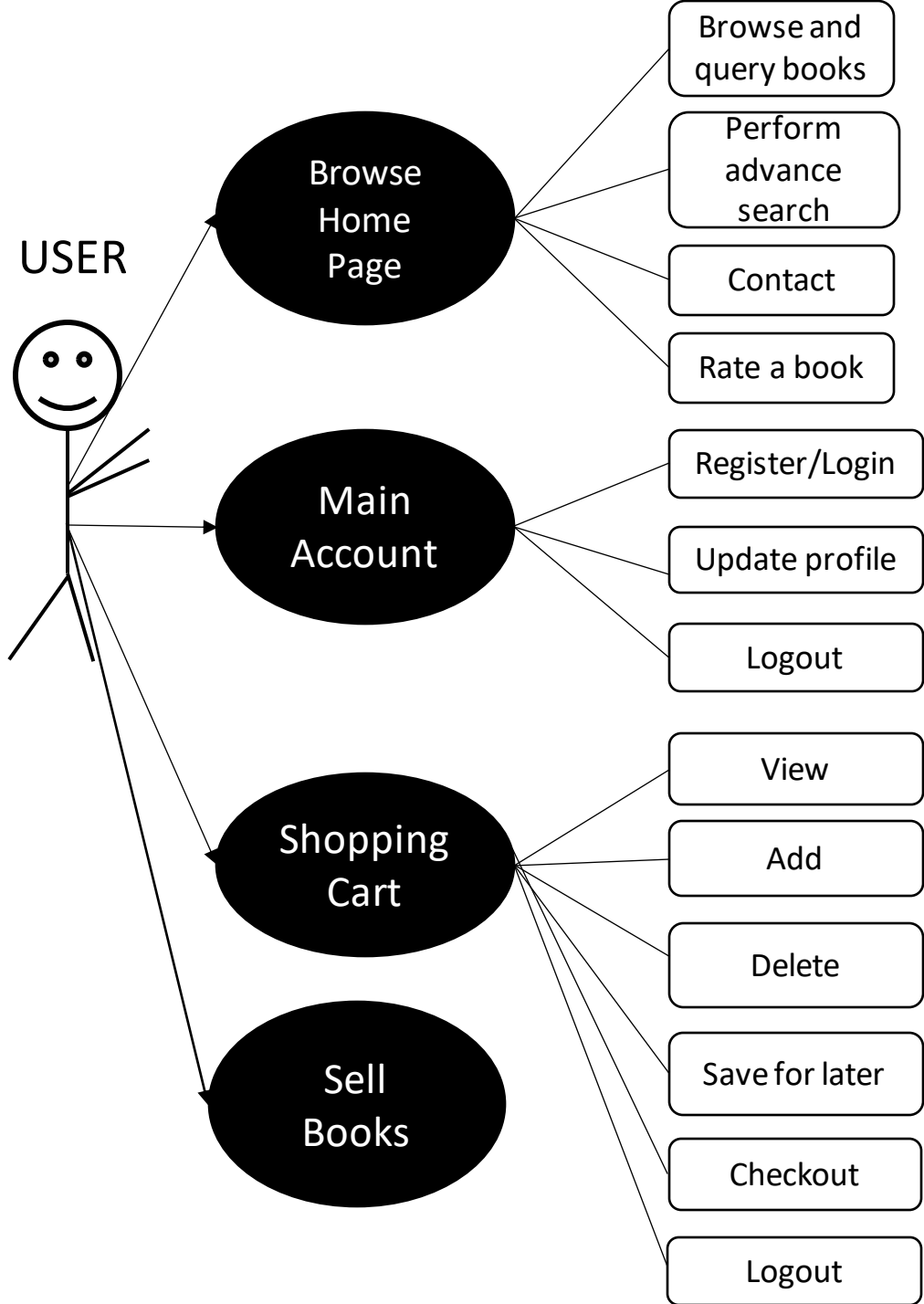
- In this project you can view any book very easily online. You can purchase online books by selecting any payment gateway like pay-pal or money wire.
 - You can also sell and resell a book.
 - This is controlled by a admin who have full control over all the books. All the books are stored into the Database. So there is full security of theft of payment etc.
 - Online bookstore provides a platform where all the books are kept in an arranged way and you can choose your required book by just selecting it from the store. While selecting book one can view all the description such as name of book, name of author and price ,user can make payment of it in order to get it.
 - Chances of theft are very less.
- 

Modules

1. **Registration:** – First we ask the customers to give his details. After registering with us the customer can login to his/her own account and can view all book details such as category, price, author, etc. and can order the book with unique book id. Once customer has registered with us can order any number of books.
2. **Login:** – The entire registered user can access the application by using this module.
3. **Admin:** – Provided for the sake of administrators to manage the site and update the content at regular intervals.
4. **Users:** – If the user is new to the site he/she can sign up by filling an online registration form. If he/she is already a member then they can simply login to the site. The user can search for the book he is in need if he found the book he can buy that book from his home itself.
5. **Add to cart:** - By adding shopping cart menu a customer can add products to the cart and can complete the checkout process.
6. **Payment:** - A payment gateway will allow the users to make payment through credit card, debit card or direct payment processing.







Project Implementation

Implementation Of Module 1: Registration

- **Frontend:**
- If the user doesn't have an account, he will be asked to register. The user will have to enter the required details in that registration form as shown.
- After filling the details the user has to click on the register button for the data to get the details stored in the backend table.





New User Register

First name

Username

Last name

Password

Email address

Mobile number

New User Register

First name	<input type="text" value="Vaishnavi"/>	Username	<input type="text" value="Vaishnavi123"/>
Last name	<input type="text" value="Kothari"/>	Password	<input type="password" value="••••••••••"/>
Email address	<input type="text" value="vaishnavi@123"/>	Mobile number	<input type="text" value="9682637451"/>

Message

i

Welcome, Vaishnavi
Your account is sucessfully created

OK

- **Backend**

After clicking the register button as shown in the previous slide the user has successfully registered himself for the online bookstore and his data gets stored in the backend in the form of a table.



MySQL Workbench

Local instance MySQL80

FileEditViewQueryDatabaseServerToolsScriptingHelp

Navigator

SCHEMAS

Filter objects

sakila

swing_demo

Tables

account

Columns

Indexes

Foreign Keys

Triggers

Views

Stored Procedures

Functions

sys

world

Administration

Schemas

Information

Table: account

Columns:

first_name

varchar(45)

last_name

varchar(45)

user_name

varchar(45)

password

varchar(45)

email_id

varchar(45)

mobile_number

varchar(45)

Query 1

account

SQL File 1

swing_demo.account

account

Limit to 1000 rows

1

SELECT * FROM swing_demo.account;

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	first_name	last_name	user_name	password	email_id	mobile_number
▶	Anjali	Divekar	AnjaliD26	anjalidivekar	anjalidivekar2002@gmail.com	987654321
	Demo	finally	Hello	hogaya	demo@123	7892637181
	shivangi	kumar	shivangikumar	shivangi123	shivangi@123	9837162641
	Vaishnavi	Kothari	Vaishnavi123	Vaishnavi456	vaishnavi@123	9682637451

account 1

Read Only

Context Help

Snippets

Object Info

Session

Output

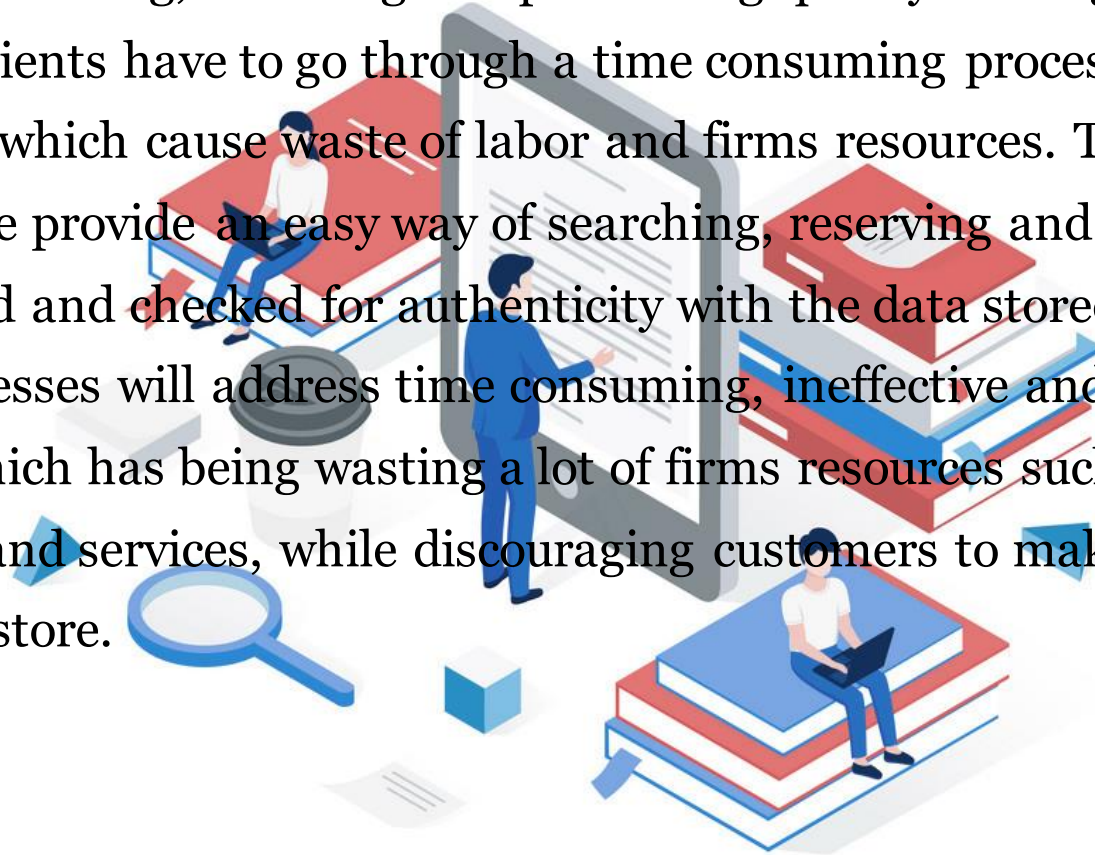
Action Output

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Result

This online bookstore System is an attempt to overcome the present inefficient and time consuming process of locating, reserving and purchasing quality reading materials available in the store. Currently, clients have to go through a time consuming process to perform aforementioned tasks which cause waste of labor and firms resources. Through our online bookstore book store solution, we provide an easy way of searching, reserving and purchasing of books. User data are validated and checked for authenticity with the data stored in the system database. All the newly coined processes will address time consuming, ineffective and inefficient areas of the existing system which has been wasting a lot of firms resources such as, labor, electricity, equipment, products and services, while discouraging customers to make purchases and repelling clients from the book store.



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- <file:///C:/Documents%20and%20Settings/Owner/Desktop/jakarta-jmeter-2.3RC3/docs/usermanual/build-adv-web-test-plan.html>
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