# VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANA SANGAMA, Belagavi - 590 018.



2020 - 2021

## A mini project report on

## "ONLINE LIBRARY MANAGEMENT SYSTEM"

Submitted in partial fulfillment of the requirements for the award of the degree of

#### **BACHELOR OF ENGINEERING**

in

#### **INFORMATION SCIENCE & ENGINEERING**

Submitted by AMILIO DSOUZA (1AT18IS122)

Under the guidance of.

Mr. SANGAMESH GAMA

Assistant Professor Dept. of ISE, ATRIA I. T

& Mr. SUHAS BHYRATAE

Assistant Professor Dept. of ISE, ATRIA I. T



ATRIA INSTITUTE OF TECHNOLOGY DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

Anandnagar, Bengaluru-560 024

## ATRIA INSTITUTE OF TECHNOLOGY

(Affiliated to Visvesvaraya Technological University)
ASKB Campus, Anandnagar,
Bengaluru – 560024

## **Department of Information Science and Engineering**



## CERTIFICATE

Certified that the project work entitled "Online Library Management System" carried out by AMILIO DSOUZA (1AT18IS122 is a bonafide student of ATRIA INSTITUTE OF TECHNOLOGY, Bengaluru, in partial fulfillment for the award of Degree of Bachelor of Engineering in Information Science & Engineering of Visvesvaraya Technological University, Belagavi, during the academic year 2020-21. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The mini project report has been approved as it satisfies the academic requirements in respect of mini project work prescribed for the said degree.

CoordinatorHODPrincipalMr. Sangamesh Gama<br/>Asst. Prof, ISEDr. Shanthi Mahesh<br/>Dept. of ISEDr. T.N Sreenivasa<br/>Atria I T

**External Viva** 

Name of Examiners Signature with date

1.

2.

## **DECLARATION**

I, AMILIO DSOUZA (1AT18IS122) student of 5th semester Bachelor of Engineering, Department of Information Science and Engineering, Atria Institute of Technology, Bengaluru, would hereby declare that the project entitled "Online Library Management System" has been carried out by us at Atria Institute of Technology, Bengaluru, and submitted in partial fulfillment of the course requirement for the award of degree of Bachelor of Engineering in Information Science and Engineering of Visvesvaraya Technological University, Belagavi, during the academic year 2020-21.

We further declare that the work embodied in this report has not been submitted to any other university or institution for the award of any other degree.

Place: Bengaluru Signature of the student

Date:

AMILIO DSOUZA (1AT18IS122)

## **ABSTRACT**

The purpose of the Library Management System is to automate the existing manual system with the help of computerized equipment and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. The required software and hardware are easily available and easy to work with. Library Management System, as described above, can lead to error-free, secure, reliable and fast management systems. It can assist the user to concentrate on their other activities rather concentrate on record-keeping. Thus it will help an organization in better utilization of resources. The organization can maintain computerized records without redundant entries. That means that one need not be distracted by information that is not relevant while being able to reach the information. The aim is to automate its existing manual system with the help of computerized equipment and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. Basically, the project describes how to manage for good performance and better services for the clients.

## **ACKNOWLEDGEMENT**

I am grateful to our institution, **Atria Institute of Technology**, for having provided us with the facilities to successfully complete this mini project on ONLINE LIBRARY MANAGEMENT SYSTEM.

I thank **Dr. T.N Sreenivasa, principal** and **Dr. Shanthi Mahesh, HOD, ISE** for providing us all the necessary facilities for the successful completion of our mini-project.

Deadlines play a very important role in the successful completion of the academic project on time, efficiently and effectively. I take this opportunity to express our deep sense of gratitude to our guide and coordinator Sangamesh Gama, Assistant Professor, Department of ISE and Suhas Bhyratae, Assistant Professor, Department of ISE for their valuable guidance and help throughout the course of the academic mini-project. They have always been patient with us and helped immensely in completing the task on hand. I also thank them for their immense support, guidance, specifications & ideas without which the mini project would have been completed without full merit.

Last but not least from the Department of Information Science and Engineering, teaching and non-teaching staffs for their constant encouragement, support, patience, and endurance shown during the preparation of this report were remarkable. We also thank the management.

Finally, I thank my parents and friends for their motivation, morale and material support.

AMILIO DSOUZA (1AT18IS122)

## **TABLE OF CONTENTS**

CHAPTER NO.	TITLE	PAGE NO.
DECLARATION		i
ABSTRACT		ii
ACKNOWLEDGEMENT		iii
1. INTRODUCTION TO PROJE	CT	1
1.1 Brief Description		1
1.2 Scope		2
1.3 Table Description		3
1.3.1 admin		3
1.3.2 tblauthors		3
1.3.3 tblbooks		3
1.3.4 tblcategory		4
1.3.5 tblissuedbookdetail	S	4
1.3.6 tblstudents		4
1.3.7 trg_namechange		5
1.3.8 trg_mailchange		5
1.4 Triggers		6
1.5 Stored Procedure		8
2. DESIGN		9
2.1 Entity Relationship Diag	gram	9
2.3 Schema Diagram		10
3. HARDWARE AND SOFTWAI	RE REQUIREMENTS	11
3.1 Functional and non-func	tional requirements	11
3.1.1 Functional or spe	ecific requirements	11
3.1.2 Non-functional F	Requirements	11
3.1.2.1 Security red	quirements	12
3.2 Hardware Requirements		12
3.3 Software requirements		12
3.3.1 Server side		12
3.3.2 Client side		12

3.3.1.1 PHP	13
3.3.1.2 Web Server: Apache	13
3.3.1.3 HTML	13
3.3.1.4 JavaScript	13
CONCLUSION	14
FUTURE ENHANCEMENT	15
REFERENCES	16
APPENDIX A – SCREENSHOTS	17
A.1 Admin Login Page	17
A.2 Admin Dashboard	17
A.3 Admin Manage Categories Page	18
A.4 Admin Add Category Page	19
A.5 Admin Manage Authors Page	19
A.6 Admin Add Author Page	20
A.7 Admin Manage Books Page	20
A.8 Admin Add Book Page	21
A.9 Admin Manage Used Books Page	21
A.10 Admin Issue New Book Page	22
A.11 Admin Manage Registeered Students Page	23
A.12 User Login Form Page	23
A.13 User Dashboard Page	23
A.14 User Profile Page	24
A.15 User Manage Issued Books Page	24
A.16 User Change Password Page	25

## LIST OF FIGURES

FIG NO.	TITLE	<u>PAGE NO.</u>
1.1	Structure of ADMIN	3
1.2	Structure of TBLAUTHORS	3
1.3	Structure of TBLBOOKS	3
1.4	Structure of TBLCATEGORY	4
1.5	Structure of TBLISSUEDBOOKDETAILS	4
1.6	Structure of TBLSTUDENTS	4
1.7	before_namechange Trigger	6
1.8	new_mail_id Trigger	6
1.9	Stored Procedure GetAllStudents	8
2.1	ER Diagram	9
2.2	Schema Diagram	10
A.1	Admin Login Page	17
A.2	Admin Dashboard Page	17
A.3	Admin Manage Categories Page	18
A.4	Admin Add Category Page	19
A.5	Admin Manage Authors Page	19
A.6	Admin Add Author Page	20
A.7	Admin Manage Books Page	20
A.8	Admin Add Book Page	21
A.9	Admin Manage Issued Books Page	21
A.10	Admin Issue New Book Page	22
A.11	Admin Manage Registered Students Page	22
A.12	User Login Form Page	23
A.13	User Dashboard Page	23
A.14	User Profile Page	24
A.15	User Manage Issued Book Page	24
A.16	User Change Password Page	25

## LIST OF TABLES

TABLE NO.	TITLE	PAGE NO.
1.3.1	admin	3
1.3.2	tblauthors	3
1.3.3	tblbooks	3
1.3.4	tblcategory	4
1.3.5	tblissuedbookdetails	4
1.3.6	tblstudents	4
1.3.7	trg_namechange	5
1.3.8	trg_mailchange	5

## **CHAPTER 1**

## INTRODUCTION TO PROJECT

#### ONLINE LIBRARY MANAGEMENT SYSTEM

#### 1.1 BRIEF DESCRIPTION

The mini-project entitled "Online Library Management System" is developed as a part of the fifth semester DBMS laboratory, for the partial fulfillment of the requirement for the BE (Information Science) course.

## **Project Description**

"Online Library Management" is a Web Application that provides the admin of the library to keep track of books bought/borrowed by customers and fine them if returned late. The users too can keep a track of the books they have borrowed and the fine they have to pay if they haven't returned the book on time.

Therefore, this system enhances the speed of lending books to the customer. It provides a better communication platform. The user's details are stored using electronic media.

## **Objectives**

The main objective of the Project on Online Library Management System is to manage the details of Students, Book Categories, Book List, Authors, Admin. It manages all the information about Students, Books Borrowed, Authors, Registered Students, Admin. The project is totally built at the administrative end and thus only the administrator is guaranteed access. The purpose of the project is to build an application program to reduce the manual work for managing Library Admin tasks. It tracks all the details about the Books borrowed by students and the date of admission and due date.

#### 1.2 SCOPE

It may help to collect perfect management in detail. In a very short time, the collection will be obvious, simple and sensible. It also helps in current all works relative to Library Management System.

It will be also reduced the cost of collecting the management & collection procedure will go on smoothly.

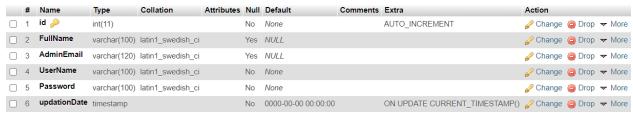
Our project aims at Business process automation, i.e. we have tried to computerize various processes of the Library Management System.

- In the computer system, the person has to fill the various forms & the number of copies of the forms can be easily generated at a time.
- In the computer system, it is not necessary to create the manifest but we can directly print it, which saves our time.
- To assist the staff in capturing the effort spent on their respective working areas.
- To utilize resources in an efficient manner by increasing their productivity through automation.
- The system generates types of information that can be used for various purposes.
- It satisfies the user requirement.
- Be easy to understand by the user and operator.
- Be easy to operate.
- Have a good user interface.
- Be expandable.
- Delivered on schedule within the budget.

## 1.3 TABLE DESCRIPTION

#### **1.3.1 ADMIN**

ADMIN table has the attributes id, FullName, AdminEmail, UserName, Password and updationDate. Id is used as the primary key as shown in Table 1.1.



**Table 1.1 Structure of ADMIN** 

#### 1.3.2 TBLAUTHORS

TBLAUTHORS table has the attributes id, AuthorName, creationDate and updationDate. id is used as a primary key attribute as shown in Table 1.2.



**Table 1.2 Structure of TBLAUTHORS** 

#### 1.3.3 TBLBOOKS

TBLBOOKS table has attributes id, BookName, CatId, AuthorId, ISBNNumber, BookPrice, RegDateand UpdationDate. id is used as primary key as shown in Table 1.3.

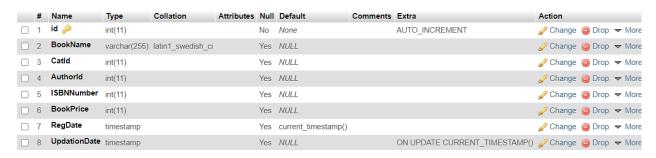


Table 1.3 Structure of TBLBOOKS

## 1.3.4 TBLCATEGORY

TBLCATEGORY table has the attributes id, CategoryName, Status, CreationDate, UpdationDate. id is used as primary key as shown in Table 1.4.

#	Name	Туре	Collation	Attributes	Null	Default	Comments	Extra	
1	id 🔑	int(11)			No	None		AUTO_INCREMENT	
2	CategoryName	varchar(150)	latin1_swedish_ci		Yes	NULL			
3	Status	int(1)			Yes	NULL			
4	CreationDate	timestamp			Yes	current_timestamp()			
5	UpdationDate	timestamp			Yes	0000-00-00 00:00:00		ON UPDATE CURRENT	TIMESTAMP()

**Table 1.4 Structure of TBLCATEGORY** 

#### 1.3.5 TBLISSUEDBOOKDETAILS

TBLISSUEDBOOKDETAILS table has the attributes id, BookId, StudentId, IssuesDate, ReturnDate, ReturnStatus, fine. Id is the primary key as shown in Table 1.5.

#	Name	Туре	Collation	Attributes	Null	Default	Comments	Extra
1	id 🔑	int(11)			No	None		AUTO_INCREMENT
2	Bookld	int(11)			Yes	NULL		
3	StudentID	varchar(150)	latin1_swedish_ci		Yes	NULL		
4	IssuesDate	timestamp			Yes	current_timestamp()		
5	ReturnDate	timestamp			Yes	NULL		ON UPDATE CURRENT_TIMESTAMP
6	RetrunStatus	int(1)			Yes	NULL		
7	fine	int(11)			Yes	NULL		

**Table 1.5 Structure of TBLISSUEDBOOKDETAILS** 

### 1.3.6 TBLSTUDENTS

TBLSTUDENTS table has the attributes id, StudentId, FullName, EmailId, MobileNumber, Password, Status, RegDate, UpdationDate. Id and StudentId are the primary keys as shown in Table 1.6.

#	Name	Туре	Collation	Attributes	Null	Default	Comments	Extra
1	id 🔑	int(11)			No	None		AUTO_INCREMENT
2	StudentId 🔑	varchar(100)	latin1_swedish_ci		Yes	NULL		
3	FullName	varchar(120)	latin1_swedish_ci		Yes	NULL		
4	Emailld	varchar(120)	latin1_swedish_ci		Yes	NULL		
5	MobileNumber	char(11)	latin1_swedish_ci		Yes	NULL		
6	Password	varchar(120)	latin1_swedish_ci		Yes	NULL		
7	Status	int(1)			Yes	NULL		
8	RegDate	timestamp			Yes	current_timestamp()		
9	UpdationDate	timestamp			Yes	NULL		ON UPDATE CURRENT_TIMESTAMP(

**Table 1.6 Structure of TBLSTUDENTS** 

## 1.3.7 TRG\_NAMECHANGE

TRG\_NAMECHANGE table has the attributes id, StudentId, FullName, ChangeDate, Action. Id is the primary key as shown in Table 1.7

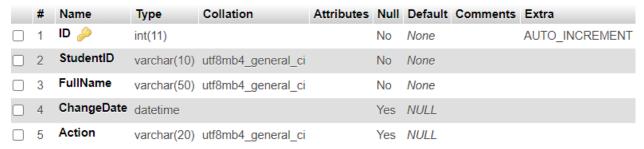


Table 1.7 Structure of TRG\_NAMECHANGE

## 1.3.8 TRG\_MAILCHANGE

TRG\_MAILCHANGE table has the attribute mailid as shown in Table 1.8



Table 1.8 Structure of TRG\_MAILCHANGE

### 1.4 TRIGGERS

A trigger is a special type of stored procedure that automatically executes when an event occurs in the database server.

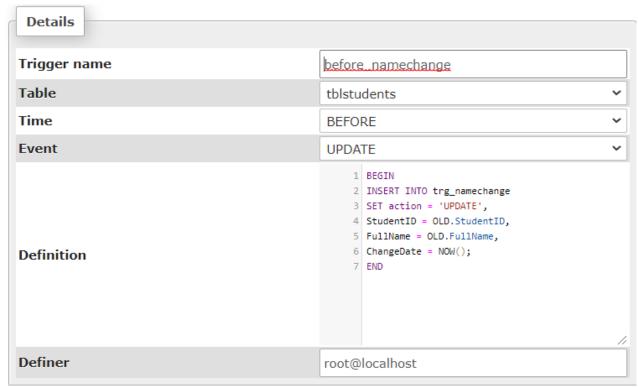


Table 1.9 before\_namechange Trigger

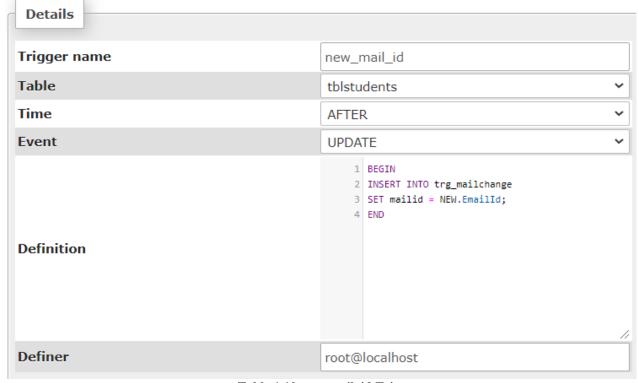
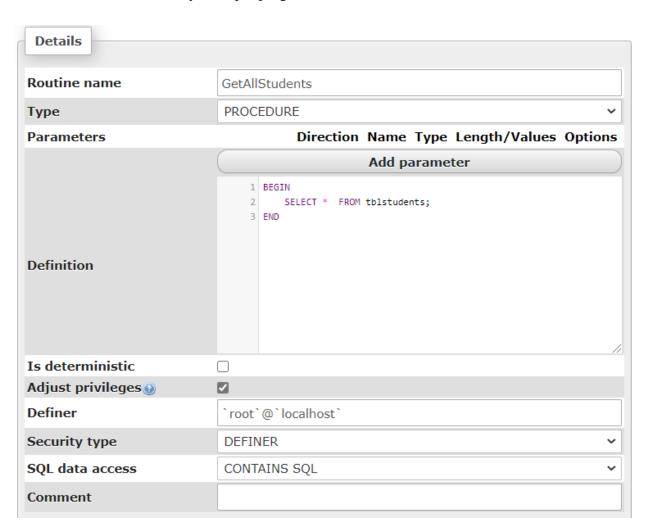


Table 1.10 new\_mail\_id Trigger

In this project, two triggers called before\_namechange and new\_mail\_id as shown in Table 1.9 and Table 1.10 are used to insert the old name into a table after student name is updated and display the new updated mail id of a student in a table in order for the admin to send a verification mail or so to the student.

### 1.5 STORED PROCEDURE

A stored procedure is a set of Structured Query Language (SQL) statements with an assigned name, which is stored in a relational database management system as a group, so it can be reused and shared by multiple programs.



**Table 1.11 Stored procedure GetAllStudents** 

In this project, a stored procedure called GetAllStudents, as shown in Table 1.11, is used to select and view all attributes from the table tblstudents.

## **CHAPTER 2**

## **DESIGN**

### 2.1 ENTITY RELATIONSHIP DIAGRAM:

ER Relationship model allows us to describe the data involved in a real-world enterprise in terms of objects and their relationship widely used to develop an initial database design. It is primarily important in its role in database design.

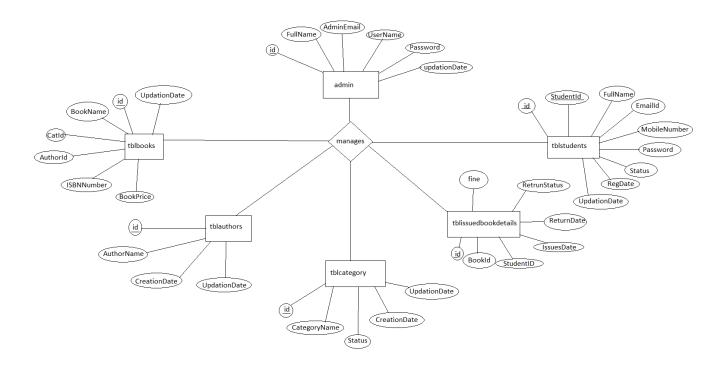


Fig 2.1: ER diagram

In this ER Diagram shown in Fig 2.1 Entities ADMIN, TBLBOOKS, TBLAUTHORS, TBLCATEGORY, TBLSTUDENTBOOKDETAILS and TBLSTUDENTS are represented by rectangles, attributes of the tables are represented by ovals and relationships are represented using diamonds.

#### 2.2 SCHEMA DIAGRAM

A database schema can be represented in a visual diagram, which shows the database object and their relationship which represents the logical view of the database and how the relationships among them are represented.

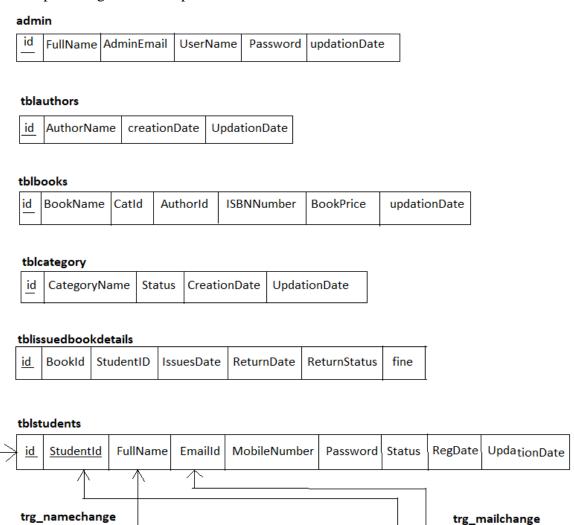


Fig 2.2: Schema Diagram

ChangeDate

StudentId FullName

This Schema Diagram in Fig 2.2 represents different tables used and underlined attributes are primary keys and arrows are used to represent foreign keys.

Action

mailid

## **CHAPTER 3**

## HARDWARE AND SOFTWARE REQUIREMENTS

## 3.1 FUNCTIONAL AND NON-FUNCTIONAL REQUIREMENTS

## 3.1.1 FUNCTIONAL OR SPECIFIC REQUIREMENTS

The required software is used for ordering food online. The system should satisfy the following requirements:

- Logging into the system
- SignUp option
- View Book Details
- Issue Books
- View Student
- Logout option

## 3.1.2 NON-FUNCTIONAL REQUIREMENTS

All of the application data is stored in an Oracle database, and therefore an Oracle Database must also be installed on the host computer. As with Apache2, this software is freely available and can be installed and run under most operating systems. The server hardware can be any computer capable of running both the web and database servers and handling the expected traffic. For a small scale restaurant that is not expecting to see much web traffic, an average personal computer may be appropriate. Once the site starts generating more hits, though, it will likely be necessary to upgrade to a dedicated host to ensure proper performance. The exact cut-offs will need to be determined through a more thorough stress testing of the system.

## 3.1.2.1 SECURITY REQUIREMENTS

Some of the factors that are identified to project the software from accidental or malicious access, use, modification, destruction, or disclosure are described below.

- Ascertain functions to different modules
- Restrict communication between areas of the program
- Check data integrity for critical variables
- A later version of the software will incorporate encryption techniques in the user/license authentication process
- Communication needs to be restricted when the application is validating the user or license

## 3.2 HARDWARE REQUIREMENTS

- A desktop or laptop with a proper internet connection.
- 2 500GB or 60GB of the hard disk
- 3.4GB 2GB of the RAM
- 4 Windows 7 or 8 or 10 Operating system.

## 3.3 SOFTWARE REQUIREMENTS

#### 3.3.1 SERVER SIDE

1. Programming language: PHP 7.4.12

2. Web Server: Apache 2.4.46

3. Database: SQL 5.7.19

#### 3.3.2 CLIENT SIDE

1. Programming language: JAVASCRIPT, HTML, CSS

2. OS: windows7/8/10

3. MYSQL server

#### 3.3.1.1 PHP

PHP is a server-side scripting language designed primarily for web development but also used as a general programming language PHP code may be embedded into HTML or HTML5 markup or it can be used in combination with various web template systems, web content management systems, and web frameworks. PHP code is usually processed by a PHP interpreter implemented as a module in the web server. The web server software combines the results of the interpreted and executed PHP code, which may be any type of data, including images, with the generated webpage.

#### 3.3.1.2 WEB SERVER: APACHE

Apache is the most widely used web server software. Developed and maintained by Apache Software Foundation, Apache is open-source software available for free. It runs on 67% of all web servers in the world. It is fast, reliable, and secure. It can be highly customized to meet the needs of many different environments by using extensions and modules. Most WordPress hosting providers use Apache as their web server software. However, WordPress can run on other web server software as well.

#### 3.3.1.3 HTML

HTML is an acronym that stands for HyperText Markup Language.

**HyperText:** HyperText simply means "Text within Text". A text has a link within it, is a hypertext. Every time you click on a word that brings you to a new webpage, you have clicked on a hypertext.

**Markup language:** A markup language is a programming language that is used to make text more interactive and dynamic. It can turn a text into images, tables, links, etc. An HTML document is made of many HTML tags and each HTML tag contains different content.

### 3.3.1.4 JAVASCRIPT

Javascript is a dynamic computer programming language. It is lightweight and most commonly used as a part of web pages, whose implementations allow client-side script to interact with the user and make dynamic pages. It is an interpreted programming language with object-oriented capabilities.

## **CONCLUSION**

The Online Library Management System automates the existing manual system with the help of computerized equipment and full-fledged computer software, fulfilling their requirements so that their valuable data information can be stored for a longer period with easy accessing and manipulation of the same. The required software and hardware are easily available and easy to work with.

Online Library Management System, as described above, leads to error-free, secure, reliable and fast management systems. It assists the user to avail the library books from anywhere and anytime. Thus it helps the organization to keep a better track of the students and the books borrowed. The organization can maintain computerized records without redundant entries. That means that one need not be distracted by information that is not relevant while being able to reach the information. Thus their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same.

## **FUTURE ENHANCEMENT**

It can be summarized that the future scope of the project circles around maintaining information regarding:

- We can give more advance software for Online Library Management System including more facilities
- We will host the platform on online servers to make it accessible worldwide
- Integrate multiple load balancers to distribute loads of the system
- Create the master and slave database structure to reduce the overload of the database queries
- Implement the backup mechanism for taking a backup of codebase and database on a regular basis on different servers

The above-mentioned points are the enhancements that can be done to increase the applicability and usage of this project.

## **REFERENCES**

- [1] https://designmanagementlucerne.wordpress.com/web-basics/common-code-technologies/
- [2] https://www.wpbeginner.com/glossary/apache/
- [3] https://www.mysqltutorial.org/getting-started-with-mysql-stored-procedures.aspx
- [4] https://www.tutorialspoint.com/javascript/javascript\_overview.html

## **APPENDIX A - SCREENSHOTS**

### **A.1 ADMIN LOGIN PAGE**

This page allows admin to login and make changes to database as shown in Fig A.1.

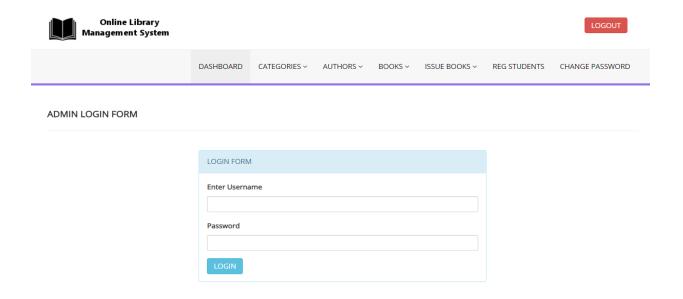


FIG A.1 Admin Login Page

## A.2 ADMIN DASHBOARD

On successful login, admin can either add, update or delete any Books, Authors, Students, Category and can also view the details such as list of all Students, Books and Authors as shown in Fig A.2.

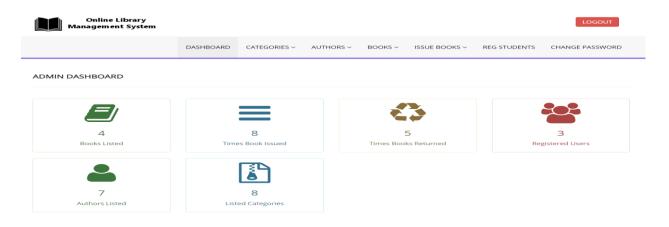


FIG A.2 Admin Dashboard

## A.3 ADMIN MANAGE CATEGORIES PAGE

By clicking on the Categories menu tab the Admin can view the Manage Categories as shown in Fig A.3.

#### MANAGE CATEGORIES

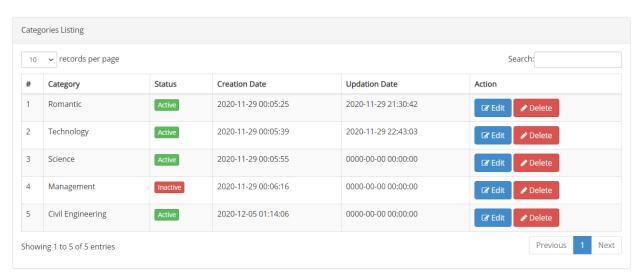


FIG A.3 Admin Manage Categories Page

## A.4 ADMIN ADD CATEGORY PAGE

On this page, admin can insert a new category by providing its category name and its status as shown in Fig A.4.

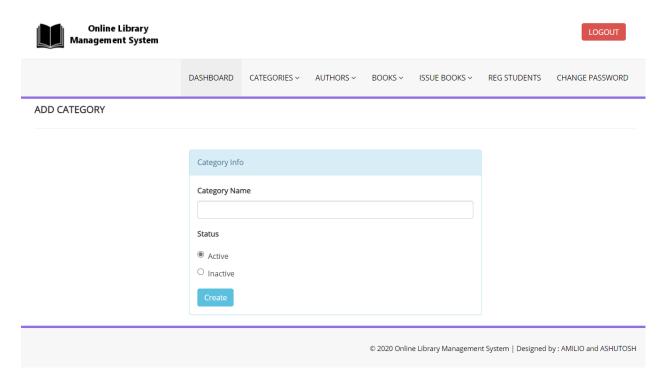


FIG A.4 Admin Add Category Page

## A.5 ADMIN MANAGE AUTHORS PAGE

On this page, admin can manage authors by editing or deleting authors as shown in Fig A.5.

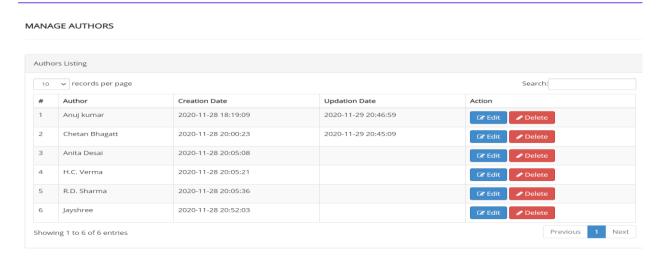


FIG A.5 Admin Manage Authors Page

### A.6 ADMIN ADD AUTHOR PAGE

On this page, admin can add a particular author by providing the Author Name as shown in Fig A.6.

	$\cap$	A I I"	ΤЦ	$\cap$ D
AD	$\nu$	٠0	ΙП	UK

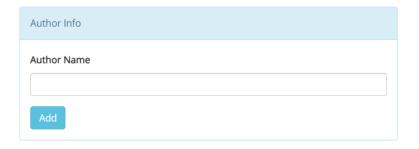


FIG A.6 Admin Add Author Page

### A.7 ADMIN MANAGE BOOKS PAGE

On this page, the Admin can manage the books by viewing Book Name, Category, etc as shown in Fig A.7.

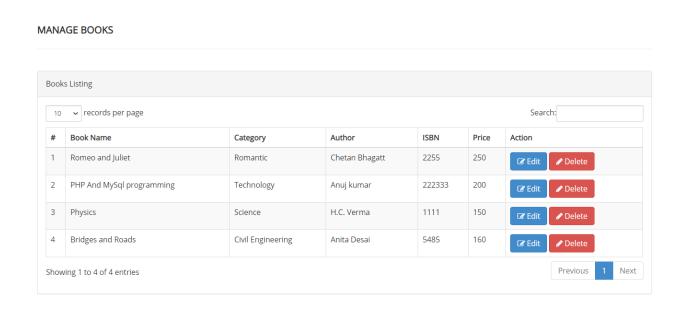


FIG A.7 Admin Manage Books Page

### A.8 ADMIN ADD BOOK PAGE

This page allows Admin to add a new book by typing details like Book Name, Category, Author, ISBN Number and Price as shown in Fig A.8.

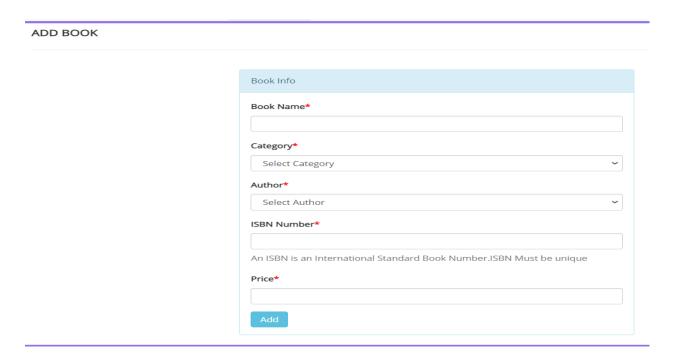


FIG A.8 Admin Add Book Page

### A.9 ADMIN MANAGE ISSUED BOOKS PAGE

This is the page Admin uses to view/manage the Book Details as shown in Fig A.9.

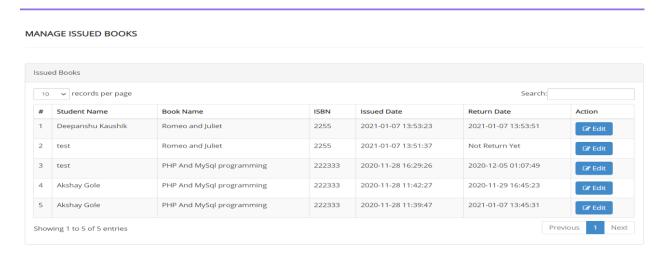


FIG A.9 Admin Manage Issued Books Page

## A.10 ADMIN ISSUE NEW BOOK PAGE

The admin can Issue a new book by providing Student ID and ISBN Number or Book Title to issue a new book as shown in Fig A.10.

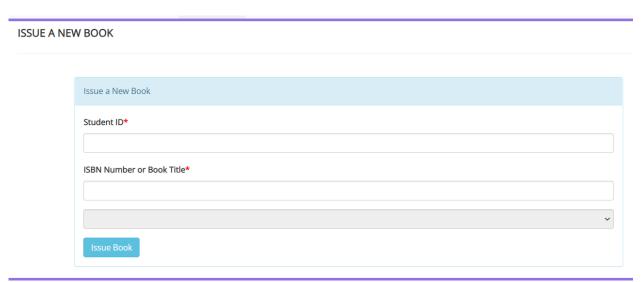


FIG A.10 Admin Issue New Book Page

### A.11 ADMIN MANAGE REGISERED STUDENTS PAGE

This page allows admin to manage the details of registered students as shown in Fig A.11.

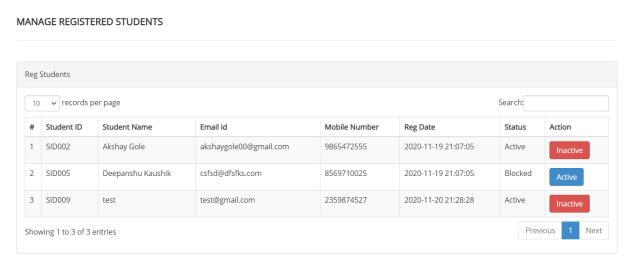


FIG A.11 Admin Manage Registered Students Page

## **A.12 USER LOGIN FORM PAGE**

This page displays the User Login Form as shown in Fig A.12. The student can login or signup by entering Email Id, Password and Verification Code.

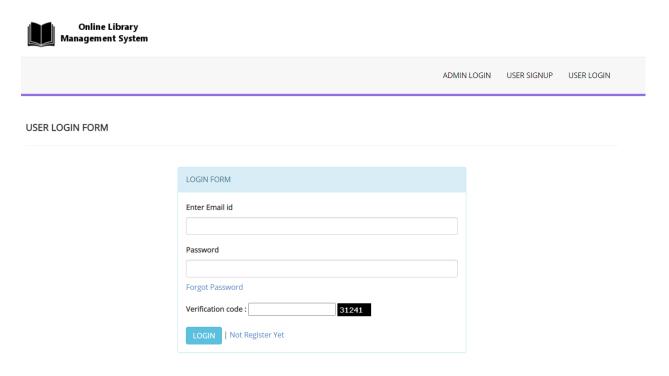


FIG A.12 User Login Form Page

## A.13 USER DASHBOARD PAGE

Here the user can view their Book Issued and the Books Not Returned Yet as shown in Fig A.13.

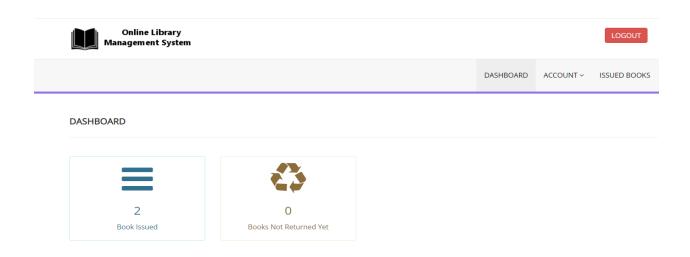


FIG A.13 User Dashboard Page

#### A.14 USER PROFILE PAGE

This page displays the User Profile after clicking on Account tab as shown in Fig A.14. The student can view all his/her account details.

#### MY PROFILE

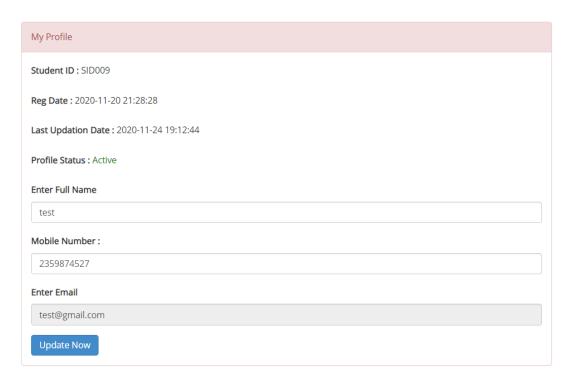


FIG A.14 User Profile Page

### A.15 USER MANAGE ISSUED BOOKS PAGE

This page displays the manage issued books and the user can view the Book Name, ISBN, Issued Date, Return Date and Fine(in INR) as shown in Fig A.15.

#### MANAGE ISSUED BOOKS Issued Books records per page Book Name ISBN Issued Date Return Date Fine (in INR) Romeo and Juliet 2255 2021-01-07 13:51:37 Not Return Yet PHP And MySql programming 222333 2020-11-28 16:29:26 2020-12-05 01:07:49 Next Showing 1 to 2 of 2 entries Previous

FIG A.15 User Manage Issued Books Page

## A.16 USER CHANGE PASSWORD PAGE

This page allows user to change to a new password as shown in Fig A.16. This is the same for the admin too.

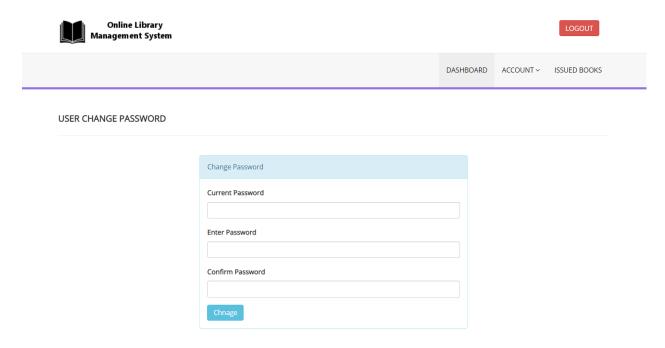


FIG A.16 User Change Password Page