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❖ Project Description:

A Library Management System is a project that manages and stores issued books to students information electronically. The system helps both students and library manager to keep a constant track of all the issued books from the library. It allows both the admin and the student to track for the desired issued book.

Library Management project is a computer based system. It reduce human made errors and to increase the efficiency. The main objective of this library management system project is to reduce human efforts and time.

Students can Log in System and get all information of issued book to him from collage library and edit his library system profile.

➤ Modules of The System:

1) Admin

2) Student

Project Profile:	
Project Title:	Collage Library System
Front-End:	PHP
Back-End:	MySQL
Browser:	Chrome, MS Edge
Platform:	Windows 11
Documentation Tool:	MS Word 2021
Internal Guide:	Chirag Mehta
Submitted to:	

➤ Features:

1) Admin :-

- Manage Students
- Issue Books to Student
- Return Books from Student
- Get Issued Books Records
- Add New Admins
- Remove Admins

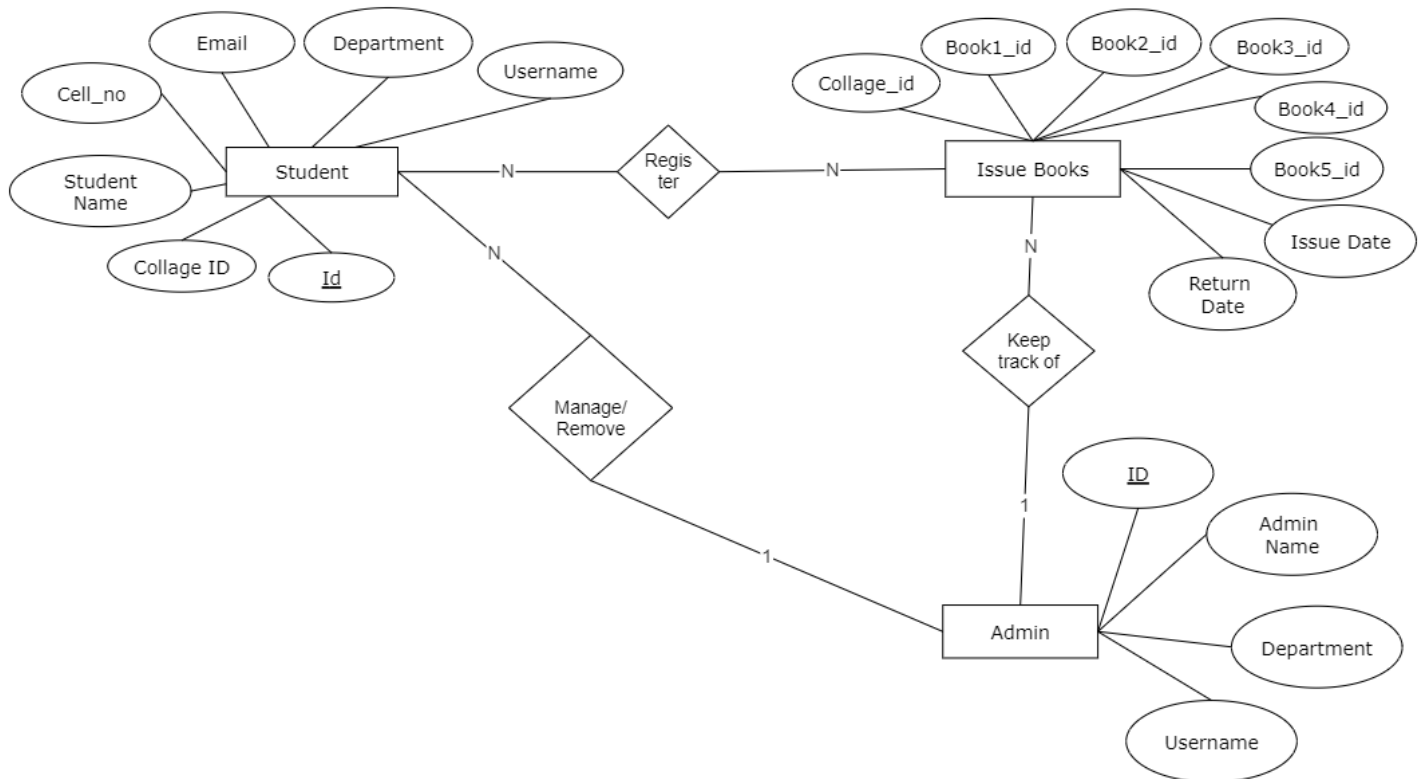
2) Student :-

- Issue Books From library
- Get all Information of Books Issued to him
- Student can see his profile
- Edit profile

➤ Objectives:

- Issue Book to Students
- Returning Books From Students
- The main objective of the Library Management System is to manage the details of Member, Issues, Books , Student.
- It manages all the information about Librarian, Student, Address.
- The project is totally built at administrative end and thus only the administrator is guaranteed the access.

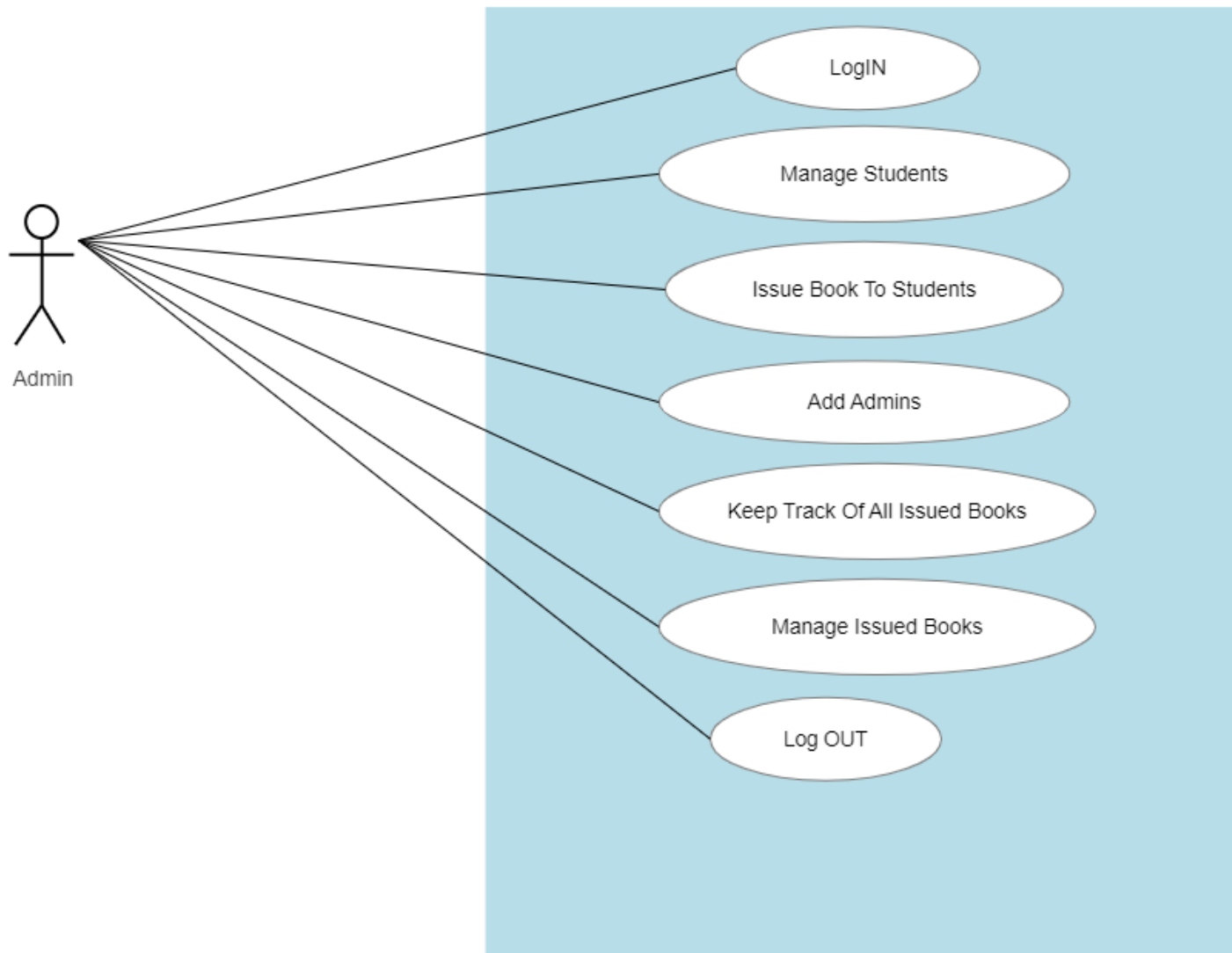
❖ System Flow Diagram (ER Diagram):



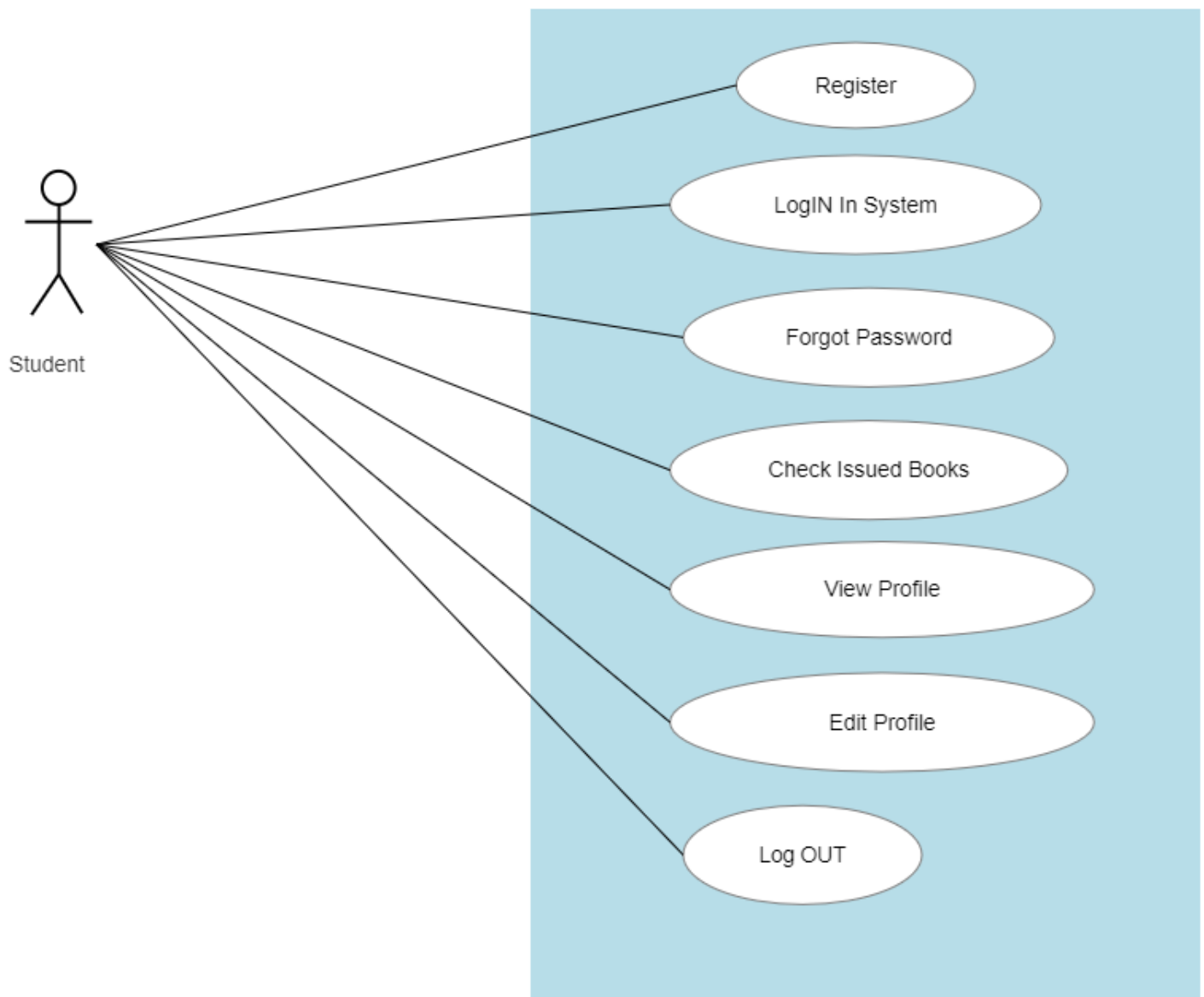
❖ UML Diagram:-

1) Use Case Diagrams:

- Admin-

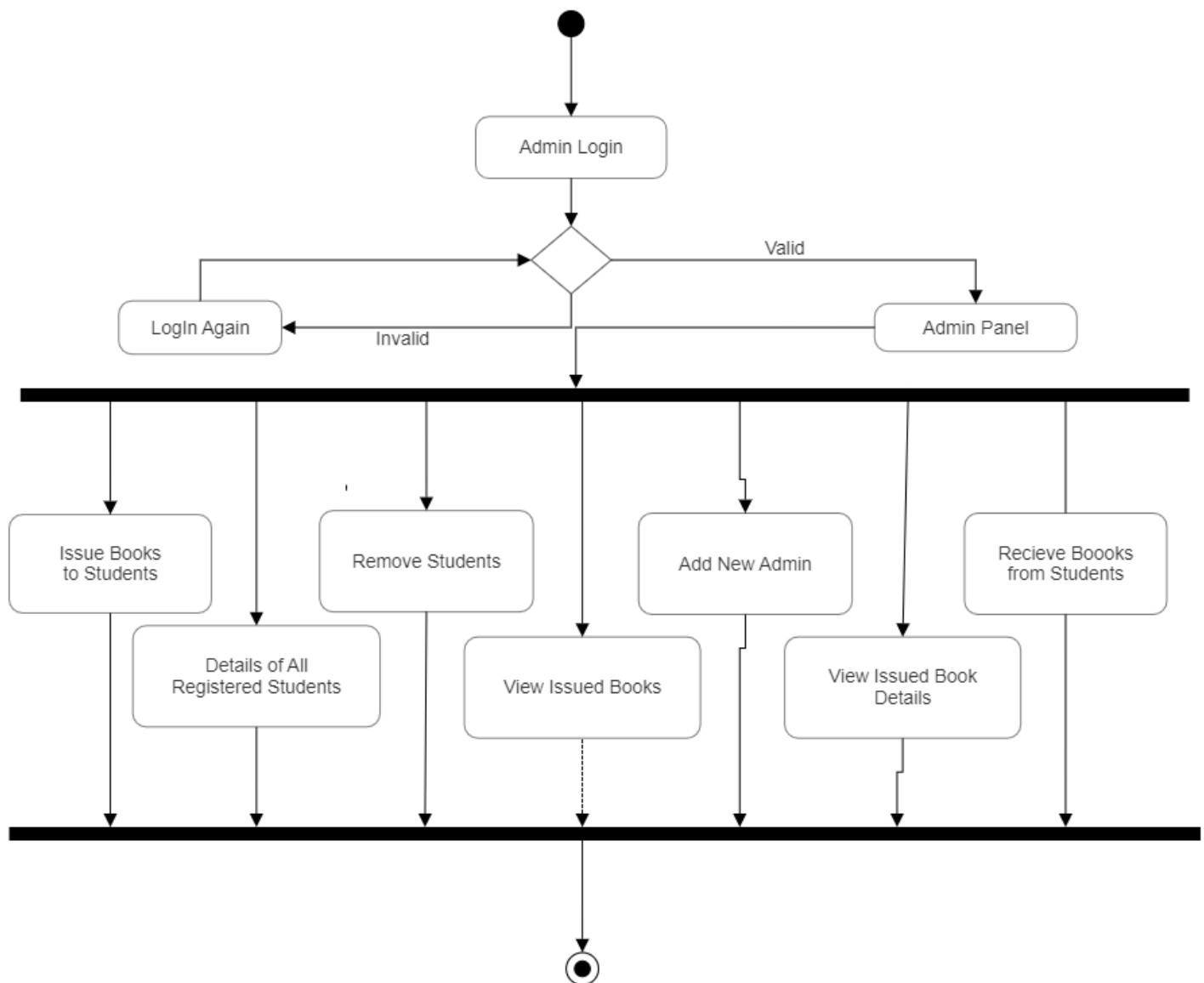


- Student-

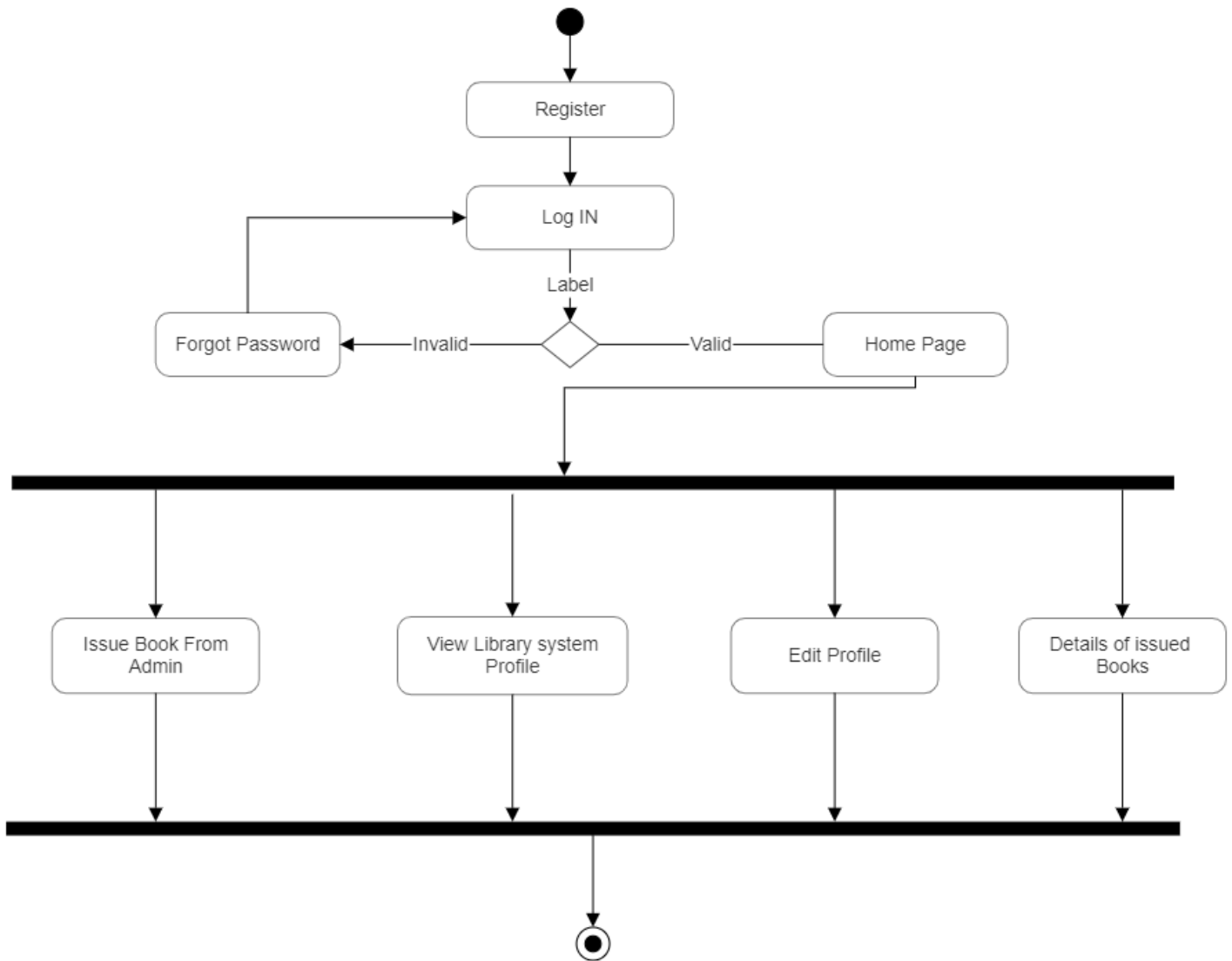


2)Activity Diagram:

- Admin-



- Student-



❖ Database Design :-

Lib_register_mst			
No	Field Name	Data Type	Constraint
1	id	INT(4)	PK
2	collage_id	Varchar(8)	
3	student_name	Varchar(30)	
4	department	Varchar(10)	
5	Cell_number	Bigint	
6	email	Varchar(25)	
7	username	Varchar(15)	
8	password	Varchar(100)	

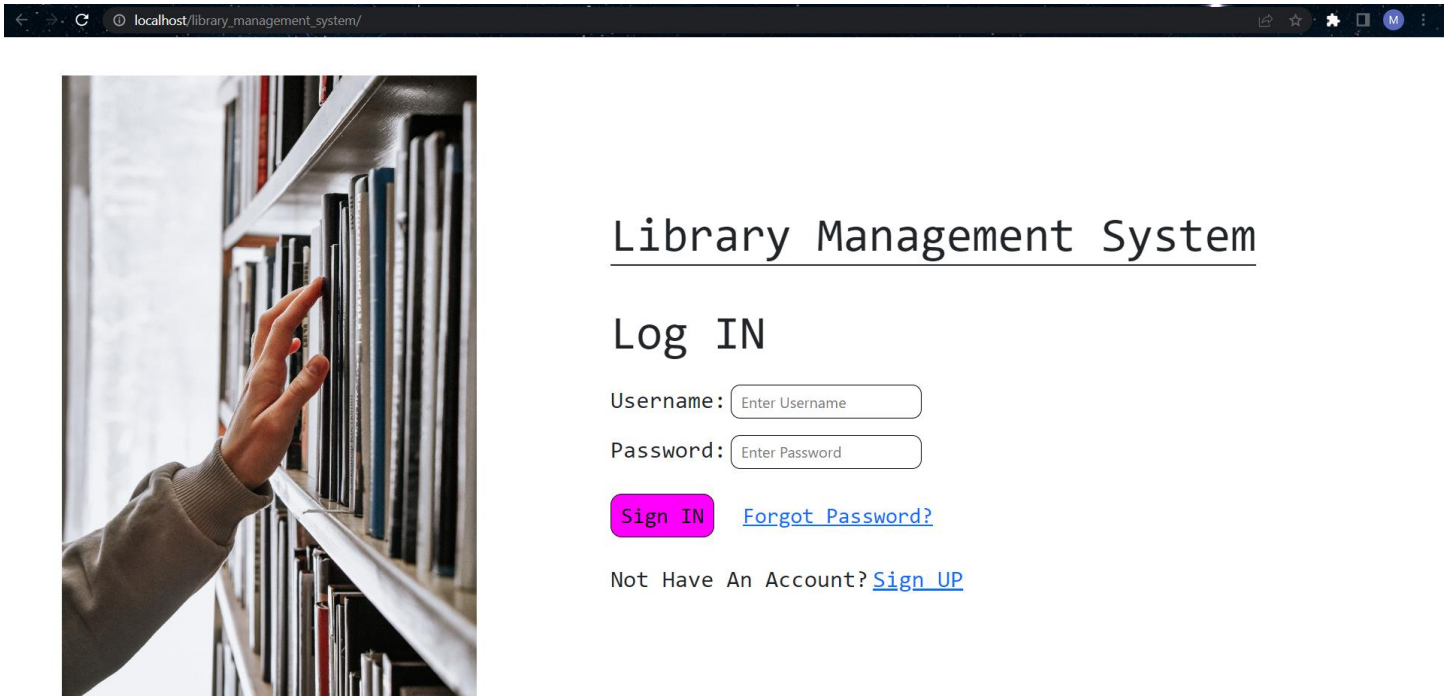
Issuebook_mst			
NO	Field Name	Data Type	Constraint
1	Collage_id	Varchar(8)	
2	Book1_id	Int(6)	
3	Book2_id	Int(6)	
4	Book3_id	Int(6)	
5	Book4_id	Int(6)	
6	Book5_id	Int(6)	
7	issuedate	Date	
8	recievedate	Date	
9	Book_status	text	
10	dept	Varchar(6)	

Admin_mst			
No	Field Name	Data Type	Constraint
1	id	Int(10)	PK
2	Admin_name	Varchar(25)	
3	department	Varchar(10)	
4	username	Varchar(15)	
5	password	Varchar(10)	

❖ System Design(Interface Design):-

➤ User Panel:

LogIN Page:



localhost/library_management_system/

Library Management System

Log IN

Username:

Password:

[Sign IN](#) [Forgot Password?](#)

Not Have An Account? [Sign UP](#)

Register Page:



The screenshot shows a web browser window with the address bar displaying "localhost/library_management_system/registrationpage.php". The page title is "Registration Page". Below the title, it says "Create Account to Library System" and "Please Enter Name properly". The registration form consists of the following fields:

Collage ID	:	20bca1
Name	:	Madan Mistry
Department	:	BCA
Cell No	:	7567406673
Email ID	:	Enter Email ID
Username	:	Enter your username
Password	:	Enter password
Confirm Password	:	Confirm password

At the bottom of the form, there is a "Sign UP" button.

Forgot Password Page:

Forgot Password

Email ID	:	<input type="text" value="Enter Email ID"/>
New Password	:	<input type="text" value="Enter New Password"/>
Confirm New Password	:	<input type="text" value="Confirm New Password"/>

[Change Password](#)

Home Page:

localhost/library_management_system/homepage.php

Collage Library System [Home](#) [Profile](#) [Log OUT](#)

Welcome Madan G Mistry

Madan G Mistry your Issued Book Information

Collage ID	Book1 ID	Book2 ID	Book3 ID	Book4 ID	Book5 ID	Book Issue Date	Book Recieve Date	Book Status	Department
20bca44	123	124	125	126	127	2022-09-13	2022-09-16	Book Issued	BCA

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Profile Page:

Profile Page

madan999 your Profile for Library System

Collage ID	20bca44
Name	Madan G Mistry
Department	BCA
Cell Number	7567406673
Email	20bca44@gmail.com
Username	madan999

[Edit Profile](#)

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Edit Profile Page:

Madan G Mistry Edit your Profile

Madan G Mistry [contact to Admin or Web-site Manager](#)

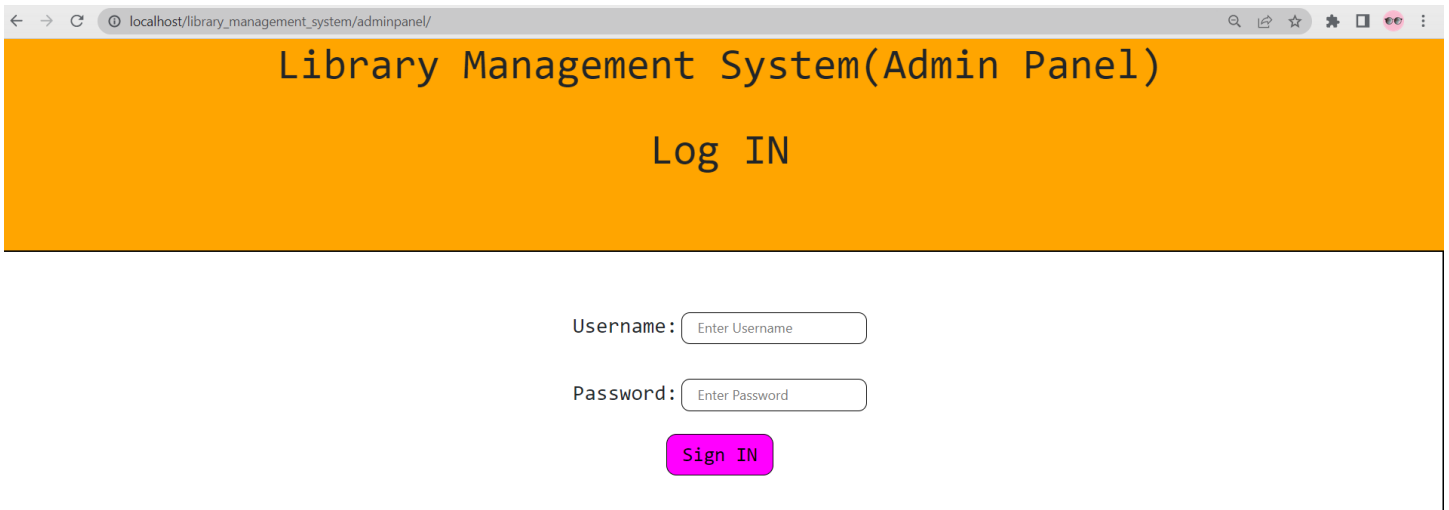
to change CollageID and Email

Collage ID	Name
20bca44	Madan G Mistry
Department	Cell No
BCA	7567406673
Email ID	Username
20bca44@gmail.com	madan999

[Update Profile](#)

➤ Admin Panel:-

Login Page:



Library Management System(Admin Panel)

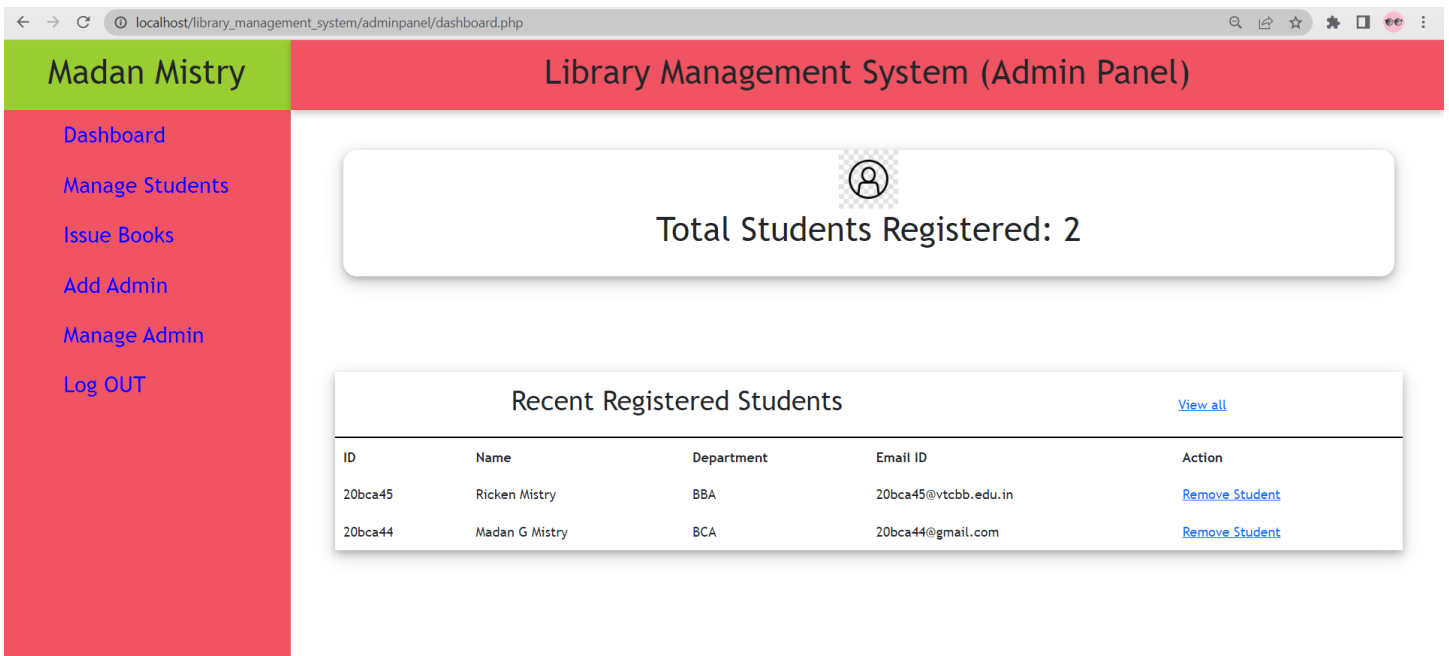
Log IN

Username:

Password:

[Sign IN](#)

Dashboard Page:



Madan Mistry

Library Management System (Admin Panel)

Dashboard

Manage Students

Issue Books

Add Admin

Manage Admin

Log OUT

Total Students Registered: 2

Recent Registered Students [View all](#)

ID	Name	Department	Email ID	Action
20bca45	Ricken Mistry	BBA	20bca45@vtcbb.edu.in	Remove Student
20bca44	Madan G Mistry	BCA	20bca44@gmail.com	Remove Student

Register Student List Page:

← → ↻ localhost/library_management_system/adminpanel/registered_student.php 🔍 📄 ☆ ⚙️ 🖨️ 👤 ⋮

All Registered Students Profile

ID	Name	Department	Email ID	Action
20bca44	Madan G Mistry	BCA	20bca44@gmail.com	Remove Student
20bca45	Ricken Mistry	BBA	20bca45@vtcbb.edu.in	Remove Student

Return Books Page:

← → ↻ localhost/library_management_system/adminpanel/profile.php 🔍 ☆ ⚙️ 🖨️ M ⋮

Madan Mistry	Library Management System (Admin Panel)							
Dashboard	Return Students Issued Books							
Return Books	Manage Books							
Issue Books	UserID	Book ID1	Book ID2	Book ID3	Book ID4	Book ID5	Book Issue Date	Book Status
Add Admin	20bca44	123	124	125	126	127	2022-09-13	Book Recieved
Manage Admin								Recieve Book
Log OUT								

Recieve Books from Students

Recieve Book

Collage ID:

20bca44

Book1 ID:

123

Book2 ID:

124

Book3 ID:

125

Book4 ID:

126

Book5 ID:

127

Recieve Book Date:

24-09-2022

Book Issued

Recieve

Issue Book Page:

Madan Mistry

Library Management System (Admin Panel)

[Dashboard](#)[Return Books](#)[Issue Books](#)[Add Admin](#)[Manage Admin](#)[Log OUT](#)

Issue Book To Students

Issue Book

Collage ID:

Enter Collage id

Book1 ID:

Entern Book1 id

Book2 ID:

Entern Book2 id

Book3 ID:

Entern Book3 id

Book4 ID:

Entern Book4 id

Book5 ID:

Entern Book5 id

Issued Book Date:

dd-mm-yyyy

Recieve Book Date:

dd-mm-yyyy

Select a Option

Select Department

Issue Book

Add Admin Page:

localhost/library_management_system/adminpanel/add_admin.php

Madan Mistry

- Dashboard
- Return Books
- Issue Books
- Add Admin
- Manage Admin
- Log OUT

Library Management System (Admin Panel)

Add New Admin To Library System

Admin id:

Admin Name:

Select Department

Admin Username:

Password:

Manage Admin Page:

localhost/library_management_system/adminpanel/manage_admin.php

Madan Mistry

- Dashboard
- Return Books
- Issue Books
- Add Admin
- Manage Admin
- Log OUT

Library Management System (Admin Panel)

Manage admin Profiles

Admin Name	Admin Dept	Admin Username	Action
Vikash Panchal	BBA	vikash123	Edit Delete

❖ References :-

- Code With Herry (Youtube)
<https://www.youtube.com/watch?v=al2bECumKg>
- Mr.Web Designer (YouTube)
- Code Resources (Youtube)
<https://www.youtube.com/watch?v=OJEQaVT45XA>
- SmartDraw (Diagrams)
- Javatpoint.com (ER Diagram)

■ Book References:-

1. Software Engineering: A Practitioners Approach

- Roger S. Pressman

2. Beginning Software Engineering

- Rod Stephens