

# LIBRARY MANAGEMENT SYSTEM

(Forms and table)

Submitted to,

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## Library Management System Database design

### Table\_Login

Primary Key: L\_id

Si. No	Column Nam	Datatype	Length	Description
1	L_Id	Integer	10	Primary Key
2	Username	Varchar	50	Username
3	Password	Varchar	20	Password
4	Role_type	Varchar	20	The corresponding role
4	Status	Varchar	20	Current status

### Table Book\_category

Primary Key: C\_id

Si. No	Column Nam	Datatype	Length	Description
1	C_id	Integer	10	Primary Key
2	Category name	Varchar 20		Which category the book belongs
3	Status	Varchar	20	Current status

### Table\_Book

Primary Key: B\_id

Foreign Key: C\_id

Si. No	Column Nam	Datatype	Length	Description
1	B_id	Integer	10	Primary Key
2	C_id	Integer	10	Foreign key from table book_category
3	Title	Varchar	30	Title of book
4	Author	Varchar	20	Author name
5	Actual_copies	Int	10	Total no. of copies of each book that were initially present

6	Status	Varchar	20	Current status
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### Table Book Details

Primary Key: details\_id

Foreign Key: B\_id

Si. No	Column Nam	Datatype	Length	Description
1	Details_id	Int	10	Primary Key
2	B_id	Int	10	Foreign key from book_table
3	Book_price	Int	10	Price of book
4	Date_of_Purchase	Date		Purchase date
5	Status	Varchar	20	Current ststus

### Table\_Member\_register

Primary Key: member\_id

Foreign Key: l\_id

Si. No	Column Nam	Datatype	Length	Description
1	Library_no	Integer	10	Primary key
2	L_id	Integer	10	Foreign key from table_login
3	M_name	Varchar	30	Student Name
4	Gender	Varchar	10	Gender of student
5	M_dept	Varchar	30	Department of student
6	M_category	Varchar	20	Which category the member belongs

7	Status	Varchar	20	Current status
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Table\_Issue

**Primary Key: issue\_id**

**Foreign Key: B\_id , Library\_id**

Si. No	Column Nam	Datatype	Length	Description
1	Issue_id	Integer	10	Primary key
2	B_id	Integer	10	Foreign key from table_book
3	Library_id	Int	10	Foreign key from table_member_registration
4	Issue_date	Datetime	10	Date of book issued
5	Return_date	Datetime	10	Date of return
6	Status	Varchar	20	Current status

Table\_fine\_bill

**Primary Key: bill\_id**

**Foreign Key: Issue\_id**

Si. No	Column Nam	Datatype	Length	Description
1	bill_id	Integer	10	Primary
2	Issue_id	Integer	10	Foreign key from table_issue
3	bill_amount	Integer	10	Amount
4				
5	Status	Varchar	20	Current status

Table\_reserve\_book

**Primary Key: Rsr\_id**

**Foreign Key: B\_id, L\_id**

Si. No	Column Nam	Datatype	Length	Description
1	Rsr_id	Integer	10	Primary key
2	B_id	Integer	10	Foreign key from table book
3	L_id	Integer	10	Foreign key from table Login
4	Status	Varchar	20	Current status

Table e-book

**Primary Key: Ebook\_id**

**Foreign Key: B\_id, L\_id**

Si. No	Column Nam	Datatype	Length	Description
1	Ebook_id	Int	10	Primary key
2	B_id	Int	10	Foreign key of book_table
3	L_id	Int	10	Foreign key of login table
4	Book_name	Varchar	225	Book name
5	Book size	Int	40	Size of the book
6	Status	Int	10	Current status

## STUDENT REGISTRATION FORM

Name:

College Id:

Address:

Phone No:

Email:

Gender: ☐ Male ☐ Female

Department:

Username:

Password:

Confirm Password:

SUBMIT

## FACULTY REGISTRATION

Name:

College Id:

Address:

Phone No:

Email:

Gender: ☐ Male ☐ Female

Department:

Username:

Password:

Confirm Password:

SUBMIT

LOGIN

Username:

Password:

LOGIN

REGISTER

ISSUE BOOK

Student ID:

Student Name:

ISBN No:

Book Name:

ISSUE