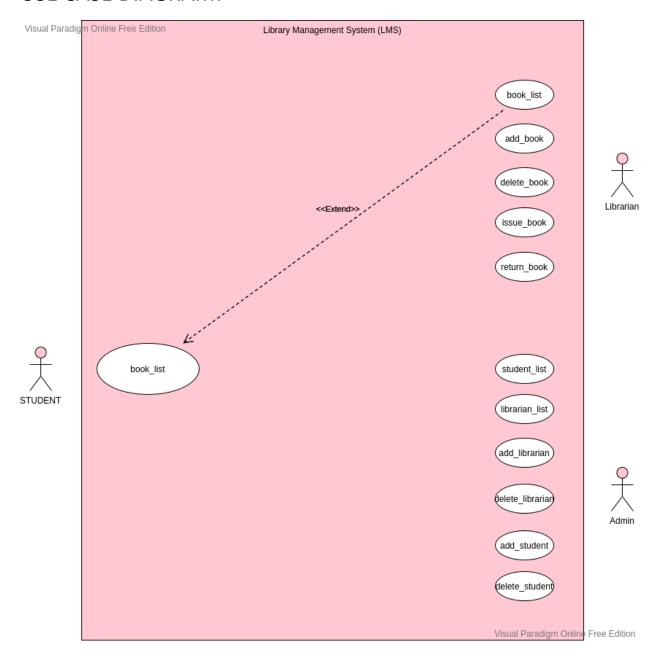
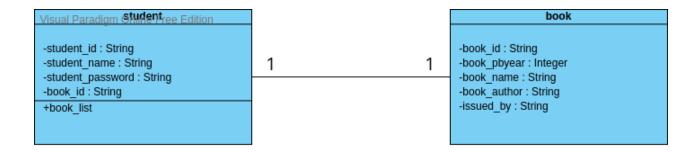
# **Library Management System**

# Ashish Gatreddi IMT2020073

## **USE CASE DIAGRAM:**

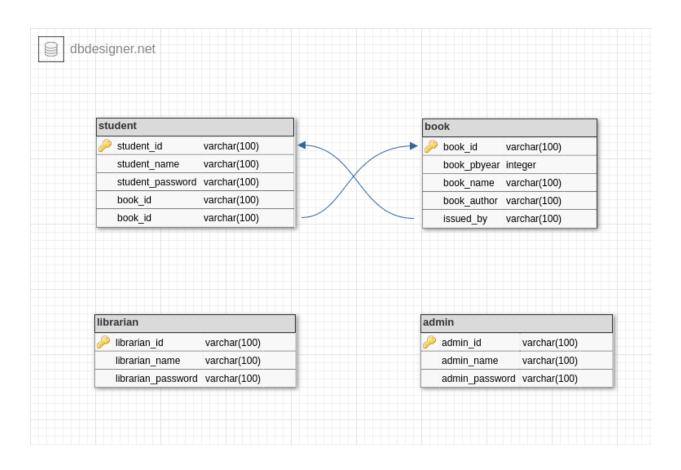


## **UML DIAGRAM:**



#### librarian admin -admin\_id : String -librarian\_id : String -librarian\_name : String -admin\_name : String -librarian\_password : String -admin\_password : String +book list +student list +add book +librarian list +delete\_book +add\_librarian +issue book +delete\_librarian +return\_book +add\_student +delete\_student Visual Paradigm Online Free Edition

## **OR MAPPING:**



#### Screenshots:

#### Main menu-

```
ashish@ashish-Inspiron-5509: ~/Desktop/sem-4/Dbla... Q = - - x

LIBRARY MANAGEMENT SYSTEM

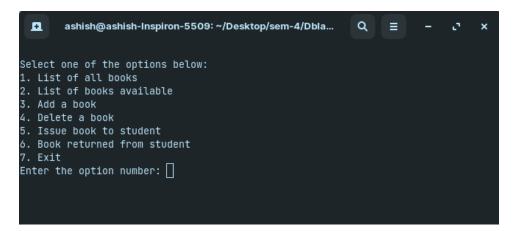
Login as:
1. Student
2. Librarian
3. Admin
4. Exit

Enter Option Number:
```

#### Student menu-



#### Librarian menu-



#### Admin menu-

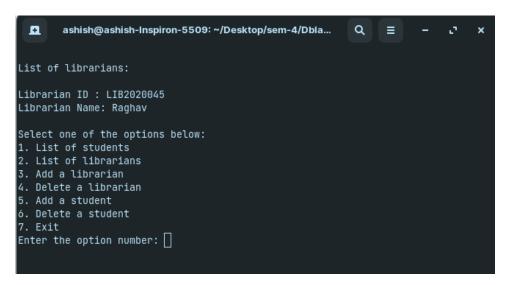
```
select one of the options below:

List of students
List of librarians
Add a librarian
Delete a librarian
Add a student

Delete a student

Enter the option number:
```

#### Librarian List-



#### Student List-

```
ø
        ashish@ashish-Inspiron-5509: ~/Desktop/sem-4/Dbla...
                                                            a ≡
                                                                            \mathcal{O}^{-}
List of students:
Student ID : IMT2020073
Student Name: Ashish
Student ID : IMT2020097
Student Name: Anudeep
Select one of the options below:
1. List of students
2. List of librarians
3. Add a librarian
4. Delete a librarian
5. Add a student
6. Delete a student
7. Exit
Enter the option number:
```

## Book List (from librarian POV)-

```
Ω
       ashish@ashish-Inspiron-5509: ~/Desktop/sem-4/Dbla...
                                                               ≡
ID : ISBN001
Publication year : 2002
Book Name: biurnal beats
Author : mc.grath
Issued by: null
ID : ISBN002
Publication year : 2001
Book Name: randomness
Author : Paul.S
Issued by: null
Select one of the options below:
1. List of all books
2. List of books available
3. Add a book
4. Delete a book
5. Issue book to student
Book returned from student
7. Exit
Enter the option number:
```

## Adding Librarian-

```
בי א ashish@ashish-Inspiron-5509: ~/Desktop/sem-4/Dbla... Q ב ר י א Enter Librarian ID: LIB2020045
Enter Librarian name: Raghav
Enter Librarian password: pass123
```

## Adding a Student-

```
בי א ashish@ashish-Inspiron-5509: ~/Desktop/sem-4/Dbla... Q ב - י ×

Enter student ID: IMT2020097

Enter student name : Anudeep

Enter student password: testpasswd
```

## Adding a Book-

```
בי א ashish@ashish-Inspiron-5509: ~/Desktop/sem-4/Dbla... Q בי א ציי א Enter book ID: ISBN004
Enter book publication year: 1999
Enter book name: heyhey
Enter author name: Jane Paul
```

#### Instructions to run the code-

#### In MySQL command prompt-

- ->CREATE USER 'ashishgatsy'@'localhost' IDENTIFIED BY 'fysv273Ash@g&';
- ->source sql/LMS\_create.sql
- ->source sql/LMS\_alter.sql
- ->source sql/LMS\_data.sql

## Next run the following on the terminal -

javac LMS.java

java -classpath "mysql-connector-java-8.0.18.jar:." LMS

## After finishing if you wish to drop the database -

in MySQL: source sql/LMS\_drop.sql

## Credentials-

#### Admin credentials-

Admin\_ID = ADM2020001

Admin\_pass = 1234

#### Librarian credentials-

Librarian\_ID = LIB2020001

Librarian\_password = pass123