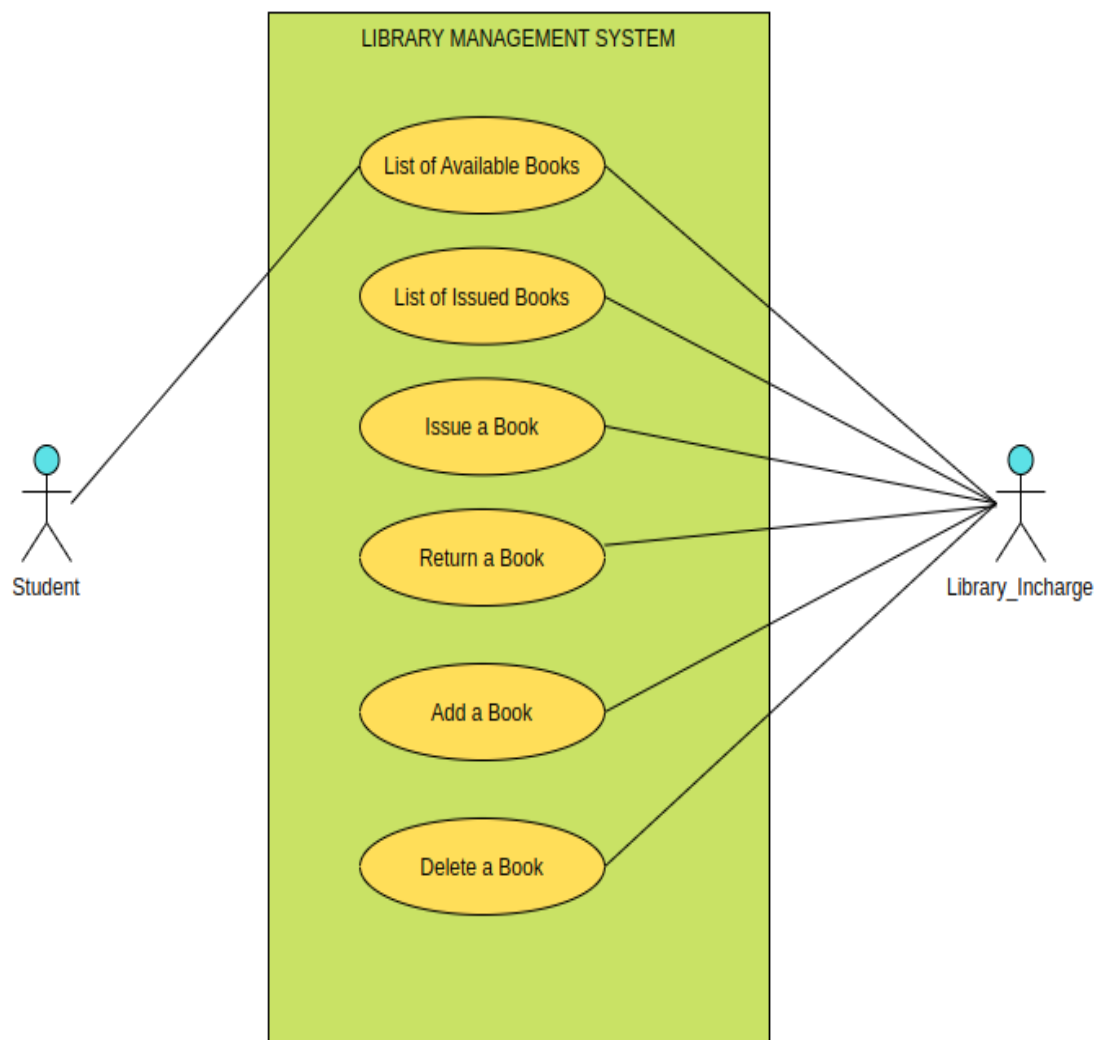


# DBMS JDBC PROJECT REPORT

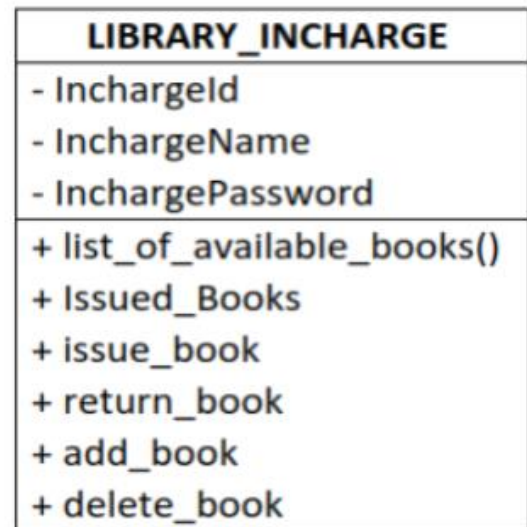
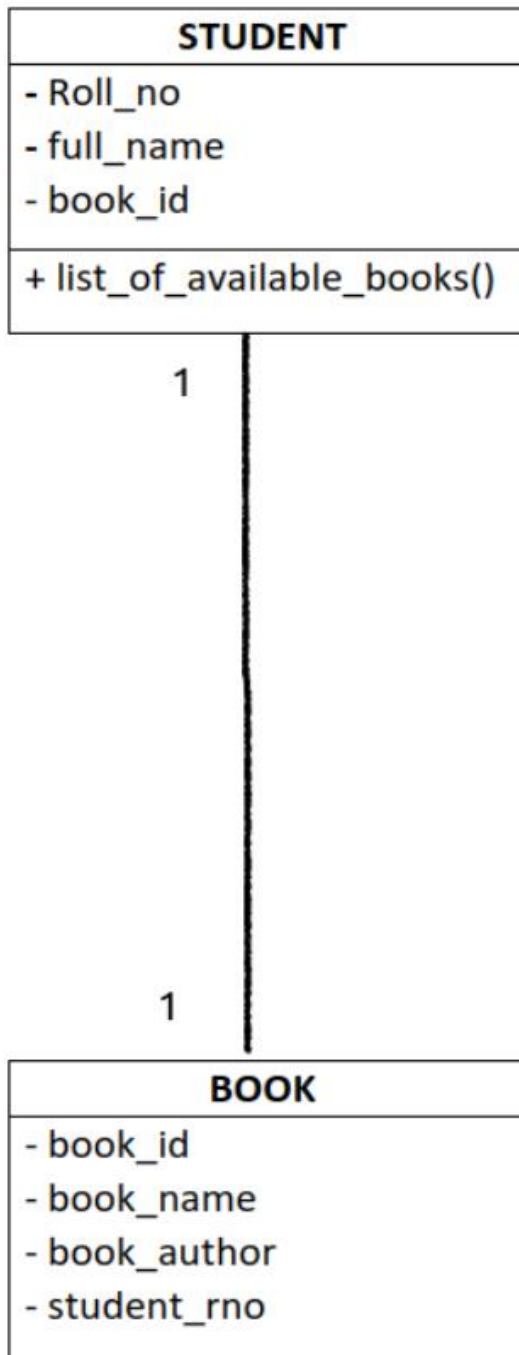
## Library Management System

UJJWAL AGARWAL, IMT2020128

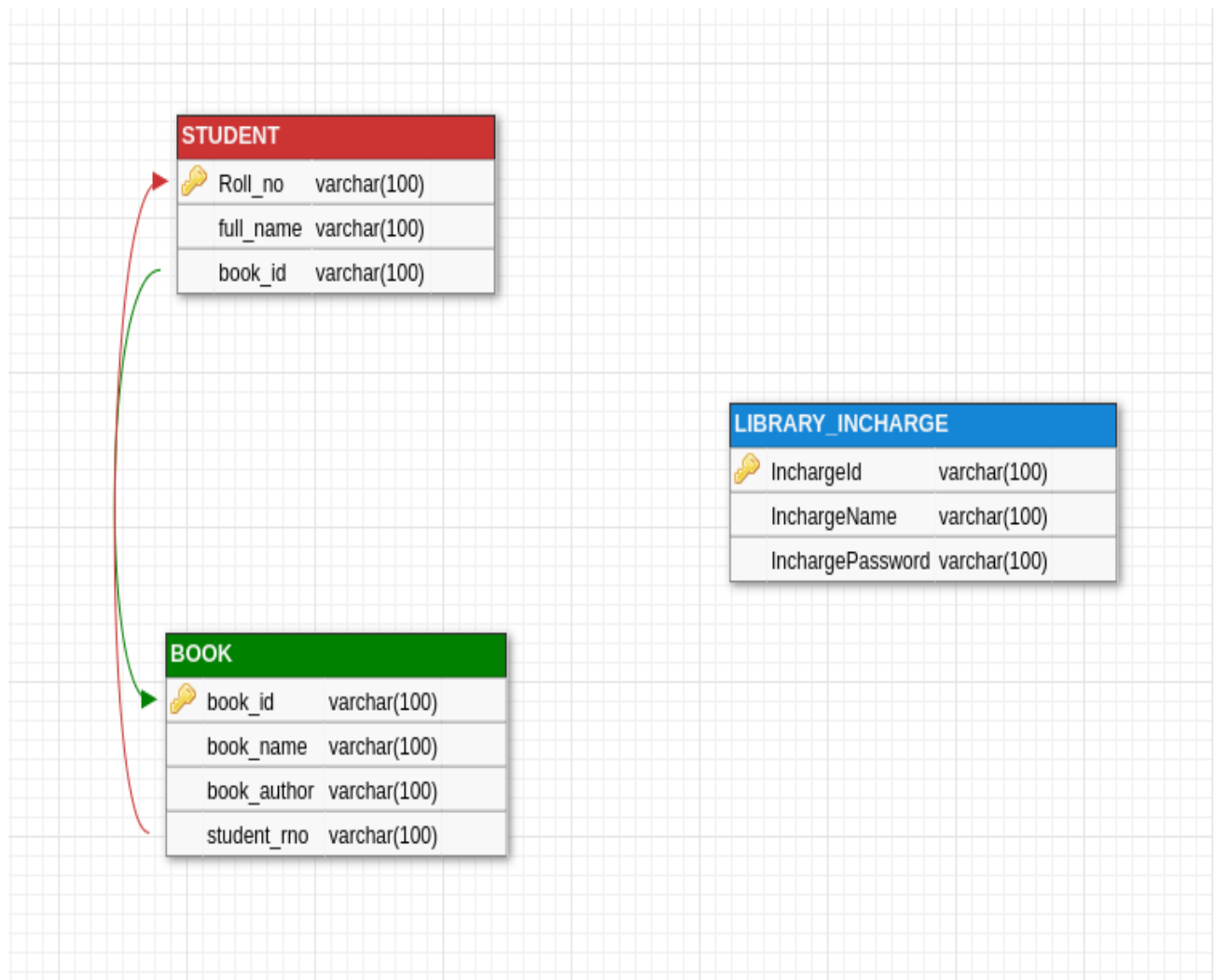
### Use Case Diagram



## UML Diagram



## OR MAPPING



## OUTPUT SCREENSHOTS

### Main Menu and Student Menu

```
Connecting to database...
Creating statement...

Welcome to LIBRARY MANAGEMENT SERVICE

Login as a-
1. Student
2. Library_Incharge
0. Exit

ENTER YOUR CHOICE : 1
Please select appropriate option-
1. List of available books
0. Exit

ENTER YOUR CHOICE : 1
List of available books:

Book ID   : 1   Book Name: Hamlet   Author : Shakespeare
Book ID   : 2   Book Name: AnimalFarm   Author : William
Book ID   : 3   Book Name: Third_Book   Author : Kamal

Please select appropriate option-
1. List of available books
0. Exit
```

## Incharge Verification and Menu

```
Login as a-
1. Student
2. Library_Incharge
0. Exit

ENTER YOUR CHOICE : 2

Enter your ID: 111
Enter your password: 123456

Please select appropriate option-
1. List of all available books
2. List of books that are issued
3. Issue a book
4. Return a book
5. Add a book
6. Delete a book
0. Exit

ENTER YOUR CHOICE : █
```

## List of Available Books

```
Please select appropriate option-
1. List of all available books
2. List of books that are issued
3. Issue a book
4. Return a book
5. Add a book
6. Delete a book
0. Exit

ENTER YOUR CHOICE : 1
List of available books:

Book ID   : 1   Book Name: Hamlet   Author : Shakespeare
Book ID   : 2   Book Name: AnimalFarm   Author : William
Book ID   : 3   Book Name: Third_Book   Author : Kamal
```

## List of Issued Books

```
Please select appropriate option-
1. List of all available books
2. List of books that are issued
3. Issue a book
4. Return a book
5. Add a book
6. Delete a book
0. Exit
```

```
ENTER YOUR CHOICE : 2
List of issued books:
```

```
No books are Issued at the moment!
```

## Issue A Book

```
Please select appropriate option-
1. List of all available books
2. List of books that are issued
3. Issue a book
4. Return a book
5. Add a book
6. Delete a book
0. Exit
```

```
ENTER YOUR CHOICE : 3
List of available books:
```

```
Book ID   : 1   Book Name: Hamlet   Author : Shakespeare
Book ID   : 2   Book Name: AnimalFarm   Author : William
Book ID   : 3   Book Name: Third_Book   Author : Kamal
```

```
Enter book ID : 2
Enter student roll number : IMT2020128
```

```
BOOK HAS BEEN SUCCESFULLY ISSUED!!
```

## Delete A Book

```
Please select appropriate option-  
1. List of all available books  
2. List of books that are issued  
3. Issue a book  
4. Return a book  
5. Add a book  
6. Delete a book  
0. Exit
```

```
ENTER YOUR CHOICE : 6
```

```
Enter book ID : 2
```

```
This book is already issued
```

```
Please select appropriate option-  
1. List of all available books  
2. List of books that are issued  
3. Issue a book  
4. Return a book  
5. Add a book  
6. Delete a book  
0. Exit
```

```
ENTER YOUR CHOICE : 6
```

```
Enter book ID : 3
```

```
Book has been deleted successfully!!
```

Please select appropriate option-

1. List of all available books
2. List of books that are issued
3. Issue a book
4. Return a book
5. Add a book
6. Delete a book
0. Exit

ENTER YOUR CHOICE : 1

List of available books:

Book ID : 1    Book Name: Hamlet    Author : Shakespeare

## Add a Book

Please select appropriate option-

1. List of all available books
2. List of books that are issued
3. Issue a book
4. Return a book
5. Add a book
6. Delete a book
0. Exit

ENTER YOUR CHOICE : 5

Enter book ID : 4

Enter book name : Panchtantra

Enter book author : Rakshit

Book has been added successfully!!



Please select appropriate option-

1. List of all available books
2. List of books that are issued
3. Issue a book
4. Return a book
5. Add a book
6. Delete a book
0. Exit

ENTER YOUR CHOICE : 1

List of available books:

Book ID : 1 Book Name: Hamlet Author : Shakespeare

Book ID : 4 Book Name: Panchtantra Author : Rakshit

## **Instructions to Run the Code**

Please change the username and password according to your mysql username and password.

Create Database Librarydb

Use Librarydb

Source path/Librarydb.sql

To run the .java file:

```
export CLASSPATH='/home/ujjwal/Desktop/DBMS_Lab/session  
10/mysql-connector-java-8.0.18.jar:.'
```

(Use the correct path of mysql-connector)

```
javac Jdbc_Library.java
```

```
java Jdbc_Library
```