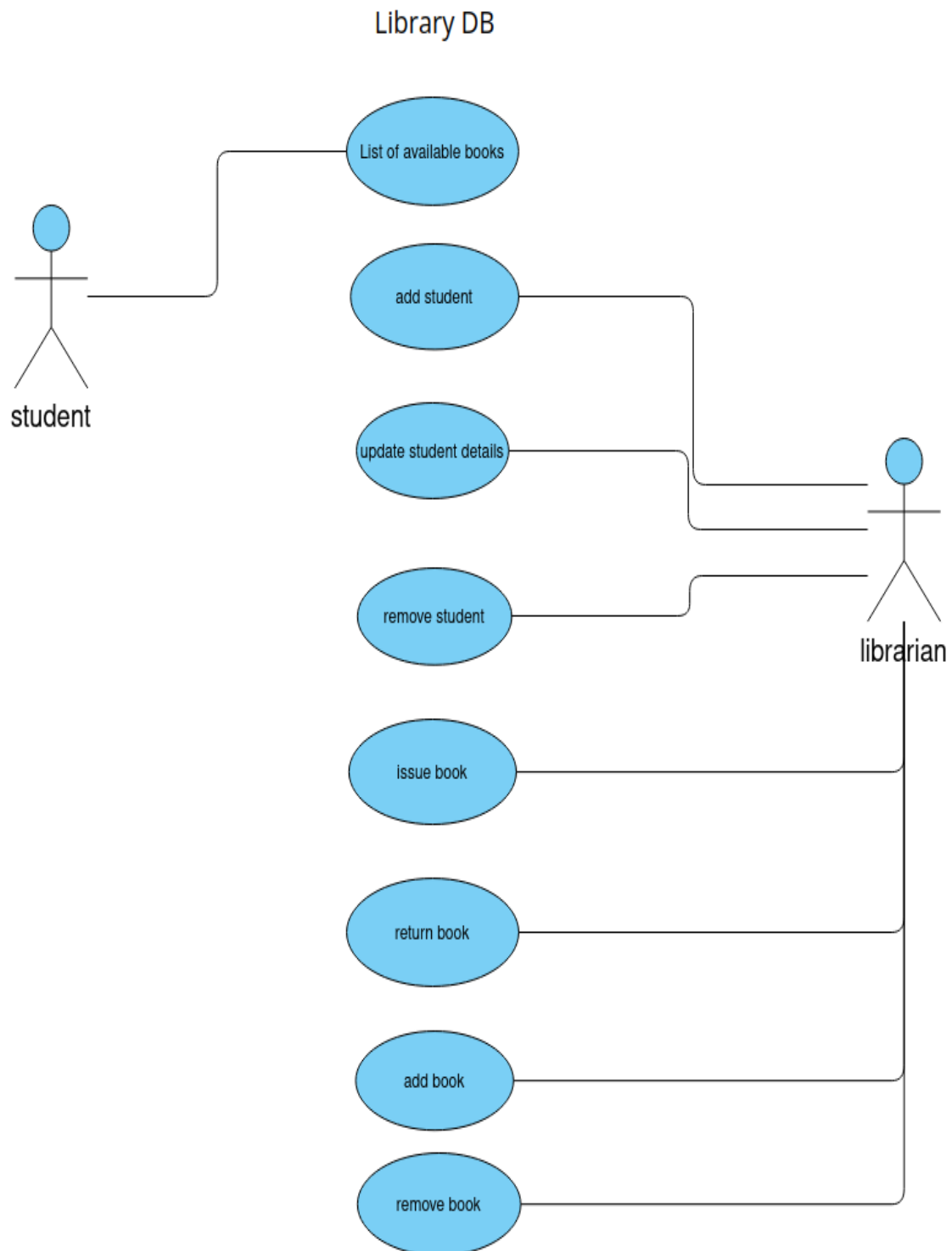


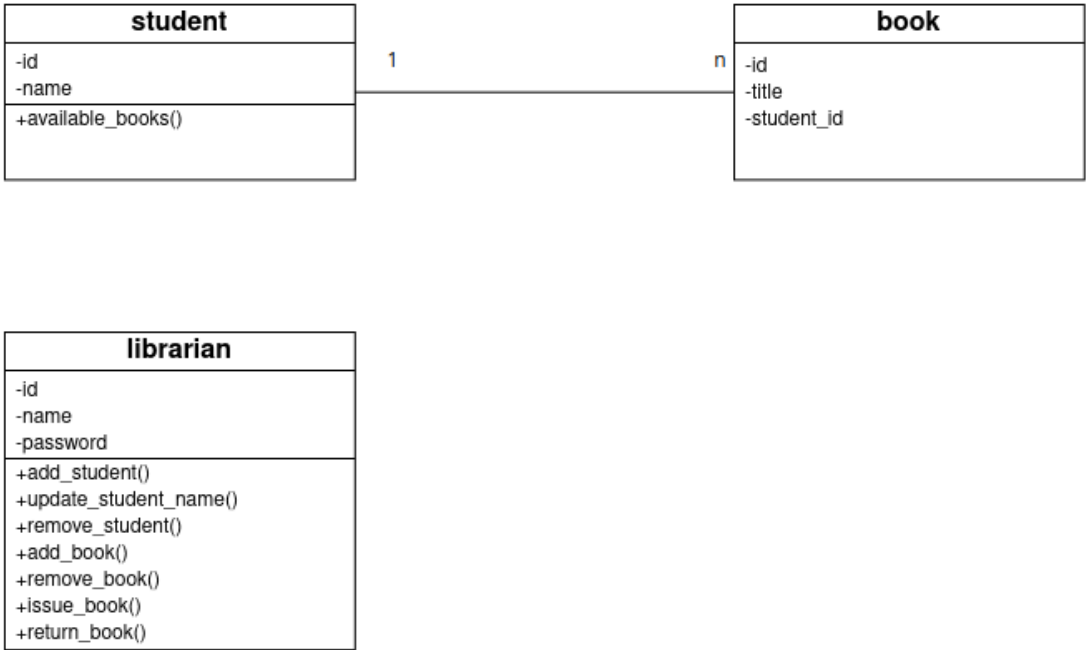
DBMS Project Report

Pushkar Pawar (IMT2020015)

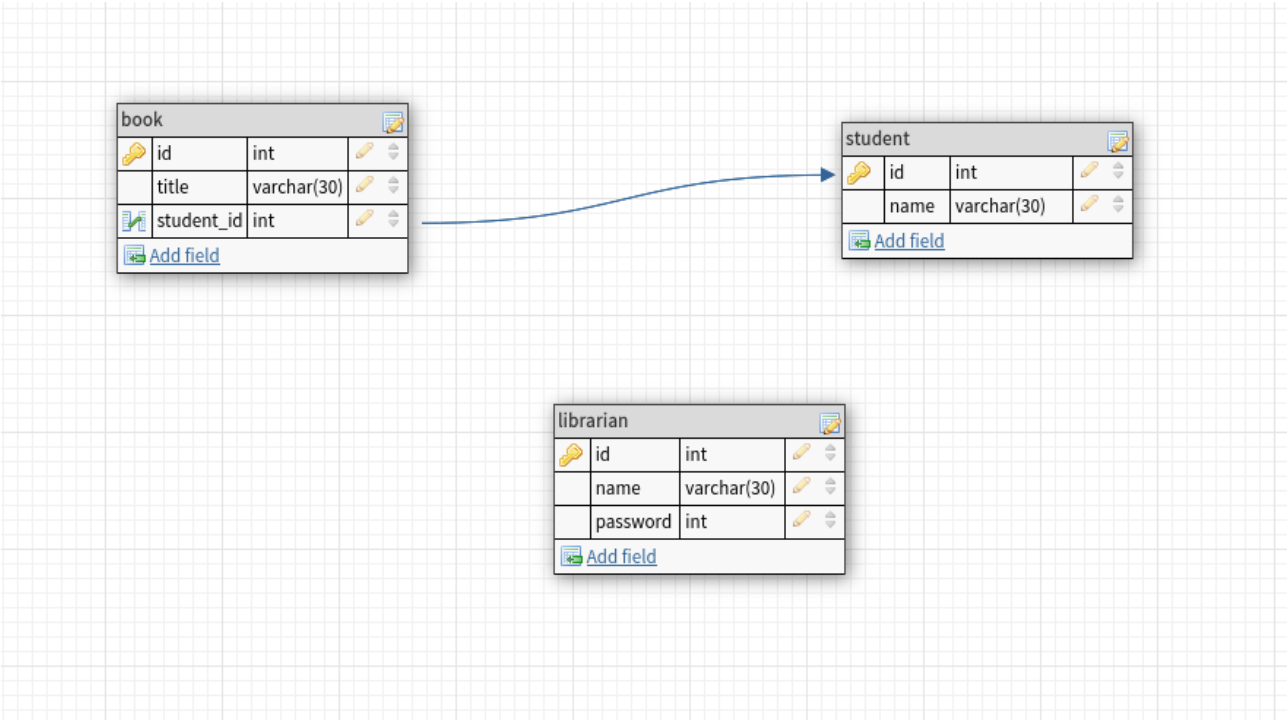
Use Case Diagram:



UML Diagram:



OR Mapping:



Output Screenshots:

Main menu:

```
Login as (1)Student
(2)Librarian
(3)Admin
(0)Exit
```

Student menu:

```
Select from options below:
(1) Available books
(0)Exit
```

List of available books:

```
id: 1
Title: book1
id: 2
Title: book2
```

Librarian menu:

```
Librarian login Successful
Librarian Menu:
(1)Add Student
(2)Update Student Name
(3)Remove Student
(4)Add Book
(5)Remove Book
(6)Issue Book
(7)Return Book
(0)Exit
```

Add Student

```
Enter Student Name: Student_5
Enter Student Roll Number: 5
Student added successfully
```

Update Student

```
Enter Student ID: 1
Enter New Name: Student_1
Name Updated
```

Remove Student

```
Enter student id: 1
Student removed
```

Add Book

```
Enter Book ID: 3
Enter Book Name: book3
```

Remove Book

```
Enter book id: 3
Book removed
```

Issue Book

```
Enter Student Id:
10
Enter Book Id:
1
Book issued
```

Return Book

```
Enter Book Id:
1
Enter Student Id:
10
Book returned
```

Instructions to run code:

First create libsys database and run 2 sql scripts present in sql directory.

Run following command in the terminal

```
export CLASSPATH="path:."
```

```
javac libsys.java
```

```
java libsys
```