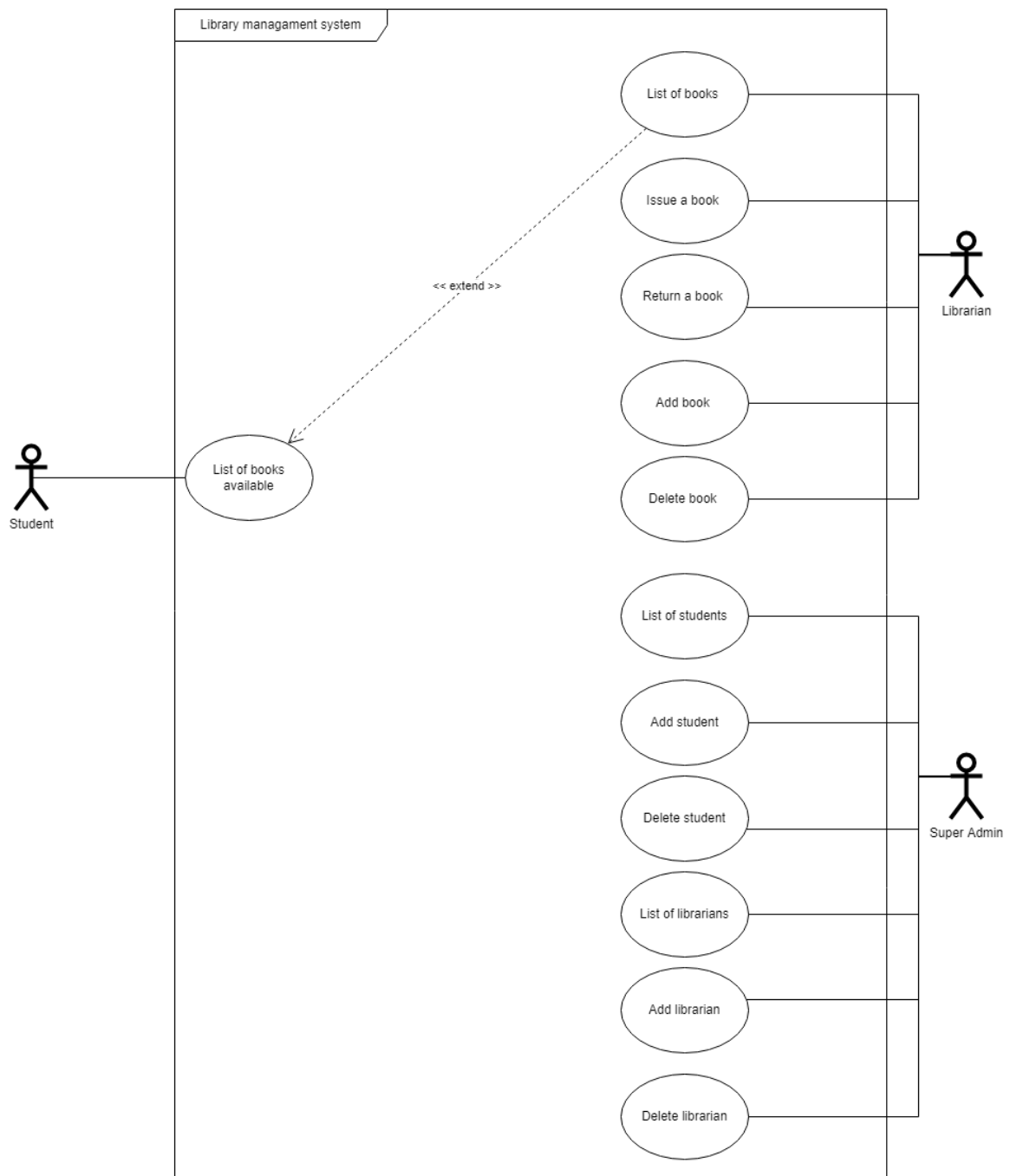
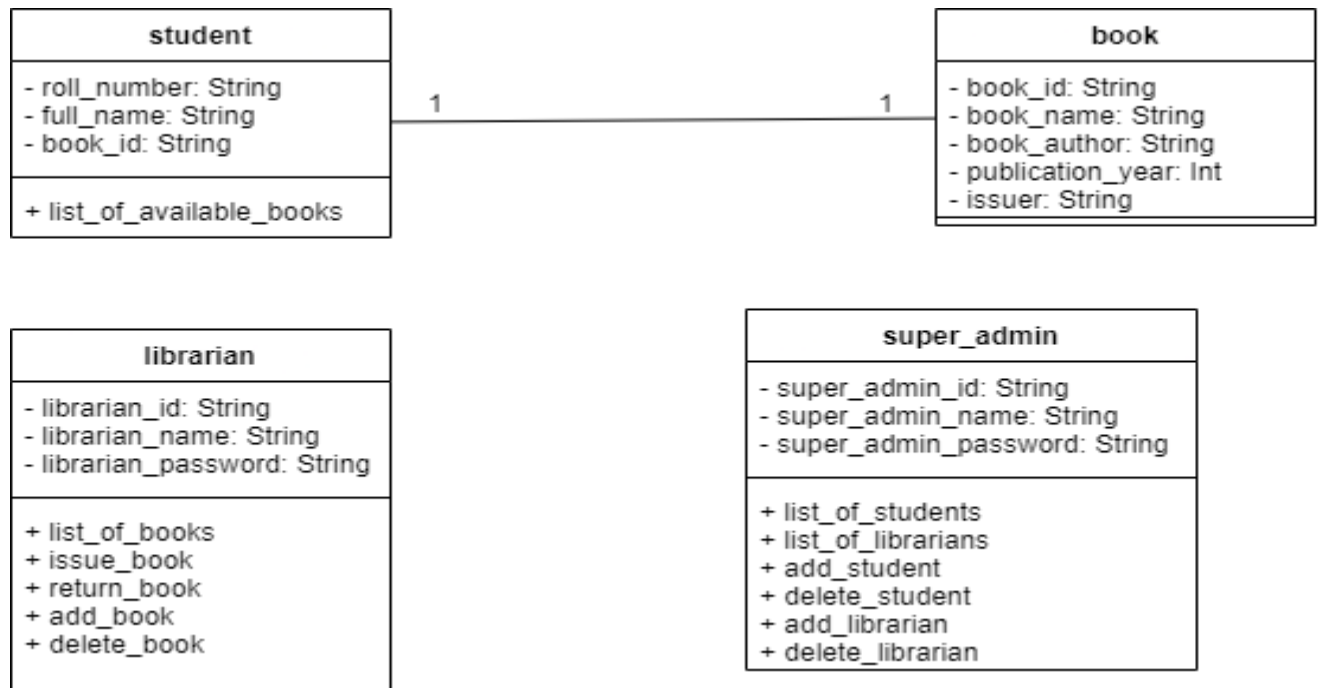


Library Management

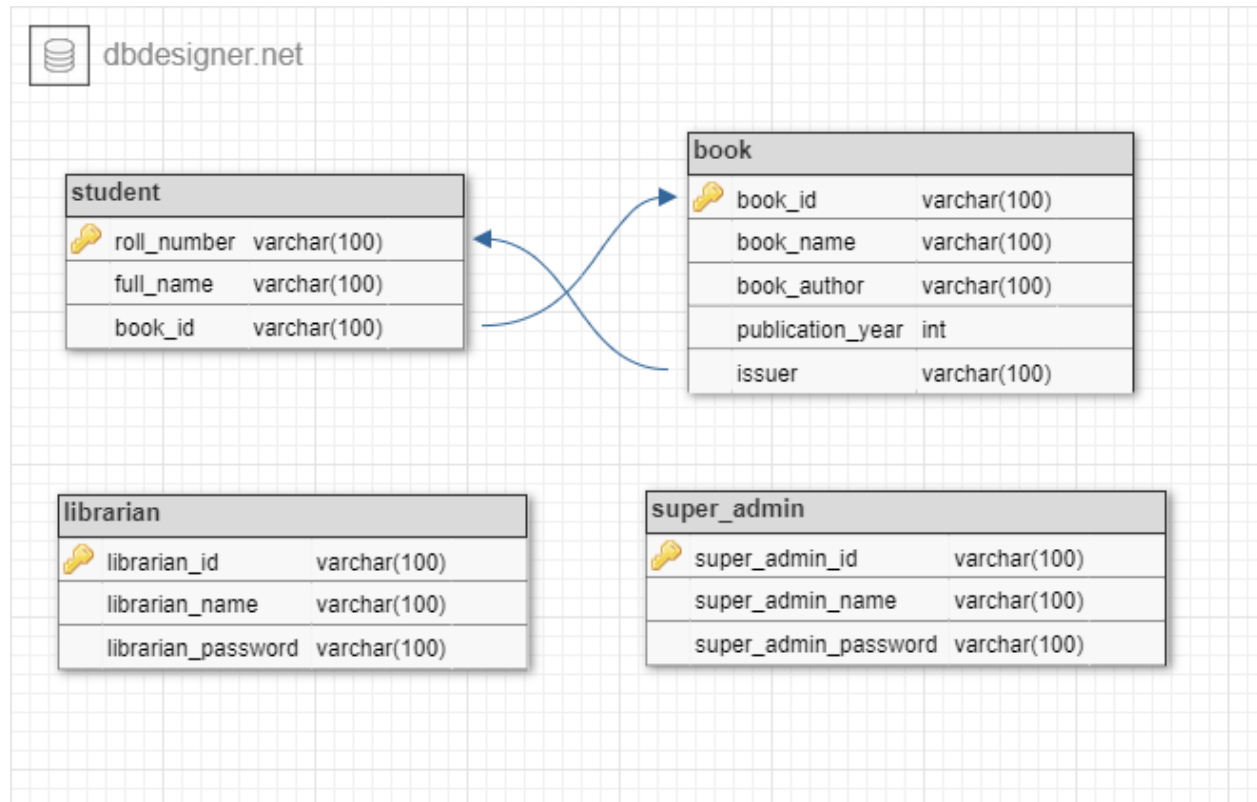
Use Case Diagram



UML Diagram (Class Diagram)



OR Mapping



Output Screenshots

Main menu

```
WELCOME TO LIBRARY MANAGEMENT SERVICE
```

```
Login as a-
```

- 1. Student
- 2. Librarian
- 3. Super Admin
- 0. Exit

```
ENTER YOUR CHOICE : |
```

Student menu

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

```
ENTER YOUR CHOICE : |
```

List of available books

```
List of available books:
```

```
ID : b1
Book Name: Intro to Database
Author : XYZ
Publication year : 2010
```

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

```
ENTER YOUR CHOICE : |
```

Librarian menu

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

```
ENTER YOUR CHOICE : |
```

Add a book

```
Enter book ID : 12
```

```
Enter book name : Book2
```

```
Enter book author : Author
```

```
Enter book publication year : 2021|
```

```
Book has been added successfully!!
```

```
Please select appropriate option-
```

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

```
ENTER YOUR CHOICE : |
```

Super admin menu

```
Please select appropriate option-
```

1. List of student
2. List of librarians
3. Add a student
4. Delete a student
5. Add a librarian
6. Delete a librarian
0. Exit

```
ENTER YOUR CHOICE : |
```

Instructions to run the code

In MySQL command prompt -

```
CREATE USER 'user1'@'localhost' IDENTIFIED BY 'password';
```

```
source sql/Library_create.sql
```

```
source sql/Library_alter.sql
```

```
source sql/Library_data.sql
```

Now run these on the terminal -

```
javac Library.java
```

```
java -classpath "mysql-connector-java-8.0.18.jar:." Library
```

After everything is done if you want to drop the database in MySQL-

```
source sql/Library_drop.sql
```

Notes

All the above UML diagrams, OR Mapping and Screenshots are enough to understand all the features of this project.

super_admin credentials

id: a1

password: 1234

librarian credentials

id: l1

password: 1234