**Table Student credentials**

Credential ID(PK)

StudentUID (FK)

Username(PK)

Password(PK)

Credential ID(PK)

Librarian ID(FK)

Username(PK)

Password(PK)

**Table Librarian credentials**

**Table Librarian role**

Role ID (PK)

Role name

Role permissions

Role created date

Librarian ID (PK) ------------------------------

Librarian Name

Role id(FK) -------------------------------------

Gender

Age k

Email

Phone no

Address

**Table Librarian**

LanguageID (FK)

Language k

**Table Language**

GenreID (FK)

Genre Name k

Description

**Table Book Genre**

CourseID (PK) ---------------------------------

Course Name k

Course Branch

Course duration

**Table Courses**

TransactionID (PK)

StudentID (FK) --------------------------------

BookID (FK) -----------------------------------

Borrowed Date

Expected Return date k

Actual Return date

Fine

Status (borrowed, returned, overdue)

Remarks

LibrarainID (FK) -------------------------------

**Books borrowed by students**

BookUID (PK) -------

Title

Author

Publisher

Edition k

ISBN

GenreID (FK) --------

Language (FK) -------

Shelf Location

Price

Status (issued/available)

**Book Table**

StudentUID (PK) ----

Student First Name

Student Last Name

CourseID(FK) --------

Roll no k

Email-id

Phone Number

Date of birth

Address

Issued Book Count

Date of registration

End of registration

Status (Active,Inactive)

**Student Table**