Entity Relationship Diagram

The following diagram outlines the relationships between tables for a local library's services.

Book Table

BookID (PK)	Integer(255)
Title	AlphaNum(255)
Author	AlphaNum(255)
ISBN	AlphaNum(17)
GenreID (FK)	Integer(255)
PubYear	Integer(255)
Status	AlphaNum(255)
Description	Text(65536)
ShelfLocation	AlphaNum(255)

Loan Table

LoanID (PK)	Integer(255)
BookID (FK)	Integer(255)
MemberID (FK)	Integer(255)
LoanDate	Date(10)
DueDate	Date(10)
ReturnDate	Date(10)
LateFee	Float(255)

Member Table

MemberID (PK)	Integer(255)
Name	AlphaNum(255)
ContactInfo	AlphaNum(255)
StartDate	Date(10)
MembershipType	AlphaNum(255)

Genre Table

GenreID (PK)	Integer(255)
GenreName	AlphaNum(255)
Description	Text(65536)

Staff Table

StaffID (PK)	Integer(255)
Name	AlphaNum(255)
Role	AlphaNum(255)
ContactInfo	AlphaNum(255)
SupervisorID (FK)	Integer(255)

Event Table

EventID (PK)	Integer(255)
EventName	AlphaNum(255)
Description	Text(65536)
OrganizerID (FK)	Integer(255)
EventDateTime	DateTime(18)
EventLocation	AlphaNum(255)
MaxParticipants	Integer(255)

MemberEvent

MemberEventID (PK)	Integer(255)
MemberID (FK)	Integer(255)
EventID (FK)	Integer(255)
RegistrationDate	Date(10)
AttendenceStatus	AlphaNum(255)