Simple Library Relational Schema

Books

PK	BookID	Int
FK	AuthorID	Int
	Title	nvarchar(50)
	ISBN	nvarchar(50)
	Publication date	Date
	Genre	nvarchar(50)
	Price of book	Decimal
	Additional notes	nvarchar(Max)

Authors

PK	AuthorID	Int
FK	PersonID	Int

Persons

PK	PersonID	Int
	FirstName	nvarchar(50)
	LastName	nvarchar(50)
	Gender	nvarchar(1)
	Phone	nvarchar(50)
	Email	nvarchar(75)
	Address	nvarchar(150)

Users Managment

PK	UserID	Int
FK	PersonID	Int
	LibraryCardNumber	nvarchar(50)

BookCopies

PK	CopyID	Int
FK	BookID	Int
	AvailabilityStatus	bit

Fines

PK	FineID	Int
FK	UserID	Int
Fk	BorrowingAndReID	Int
	Late Returns (Paid Every day 3$)	smallint
	Damaged (Price Of Book)	tinyInt
	Total Amount	Decimal
	Payment Status	bit

Reservations

PK	ReservationsID	Int
FK	UserID	Int
Fk	BookCopyID	int
	ReservationDate	date

Borrowing and Return

PK	BorrowingAndReID	Int
FK	CopyID	Int
Fk	UserID	int
	Borrowing date	date
	Due Date	Date
	Return Process (Actual Date Of Return)	date

Settings

DefualtBorrrowDays	Int
DefaultFinePerDay	Int