Database Tables:

Table 01: User

Field	Type	Constraint
UserId	Int	P.K (IS: 1001)
Email	VarChar(40)	Not Null & Unique
Password	Varchar(50)	Not Null
FullName	Varchar(50)	Not Null
PhoneNumber	Varchar(14)	Not Null
Address(Complex Entity)	VarChar(100)	Not Null
DOB	Date	Not Null
Gender	VarChar(10)	Not Null
Type	VarChar(10)	Not Null
NID/BirthCertificate	VarChar(20)	Not Null

*Address(house no, road, area, postal code, city) (Address1, Address 2)

Table 02: Books

Field	Type	Constraint
BookId	Int	P.K (IS: 2001)
BookName	VarChar(50)	Not Null
CategoryId	Id (F.K)	Not Null
WriterName	VarChar(50)	Not Null
Publisher	VarChar(150)	Not Null

Publishing Year	Int	Not Null
Price	Double(10,2)	Not Null
Condition	VarChar(5)	Not Null
Language	VarChar(50)	Not Null
Rating	Double(3,2)	Not Null
Book Sample Image 1	VarChar(300)	Not Null
Book Sample Image 2	VarChar(300)	Null
Book Sample Image 3	VarChar(300)	Null

Table 03: Categories

Field	Type	Constraint
BookID	int	FK
CategoryId	Int	P.K (IS: 2001)
CategoryName	VarChar(50)	Not Null

Table 04: Seller

Field	Type	Constraint
SellerID	Int	P.K (IS: 1001)
Email	VarChar(40)	Not Null
Password	Varchar(50)	Not Null
FullName	Varchar(50)	Not Null
PhoneNumber	Varchar(14)	Not Null
Address	VarChar(100)	Not Null
DOB	Date	Not Null

Gender	VarChar(10)	Not Null
Type	VarChar(10)	Not Null
NID/BirthCertificate	VarChar(20)	Not Null
Shop Name / Publication Name	VarChar(20)	Not Null

Database Relations:

Relation 01: Buy

Field	Type	Constraint
UserId	Int	F.K
SellerID	Int	F.K
BookID	Int	F.K
Price	Double	Not Null

Relation 02: Sell

Field	Type	Constraint
SellerID	Int	F.K
UserId	Int	F.K
BookID	Int	F.K
Price	Double	Not Null

Login

Field	Type	Constraint
LoginId	Int	P.K
Email	VarChar(100)	F.K
Password	VarChar(30)	Not Null
Type	VarChar(30)	Not Null