**Problem:**



For the ERD in Figure 1, you should indicate applications of the 1-M relationship rule. For each 1-M relationship rule application, you should indicate the changes to the tables you listed in problem 1 including foreign key columns and NOT NULL constraints for foreign keys if necessary.

**Solution:**

*Applications of the 1-M Relationship Rule:*

Student (StdNo, StdName, StdAddress, StdCity, StdState, StdZip, StdEmail)

Lender (LenderNo, LendName)

Institution (InstID, InstName, InstMascot)

Loan (LoanNo, ***InstID****,* ***StdNo****,* ***LenderNo***, ProcDate, DisbMethod, DisbBank, DateAuth, NoteValue, Subsidized, Rate)

***FOREIGN KEY (InstID) REFERENCES Institution***

***FOREIGN KEY (StdNo) REFERENCES Student***

***FOREIGN KEY (LenderNo) REFERNECES Lender***

***InstID NOT NULL***

***StdNo NOT NULL***

***LenderNo NOT NULL***

DisburseLine (DateSent, ***LoanNo***, Amount, OrigFee, GuarFee)

***FOREIGN KEY (LoanNo) REFERENCES Loan***