Class Diagram (Model)

Class Loan

id = long
loanAmount = double
interestRate = double
loanTerm = int
type = LoanTermType
payments = List<Payment>()

Loan()
Loan(id:long, loanAmount:double,
        interestRate: double, loanTerm: int, type:
        LoanTermType, payments: List<Payment>)

<<interface>>
Entity

(0,N)

Class Payment

id = long
paymentAmount = double
principalAmount = double
interestAmount = double
balanceOwed = double
loan = Loan;

Payment()
Payment(id: long, paymentAmount: double,
        principalAmount: double, interestAmount:
        double, balanceOwed: double, loan: Loan)