TABLE NAME	TABLE DESCRIPTION	# of Attributes
Customer	Contains personal information about library customer	5
Borrows	Contains the customer/book borrowing information	3
Course	Contains the information related to the book	5

CUSTOMER TABLE

ATTRUBUTE NAME	ATTRIBUTE DESCRIPTION	Type	Range	PK	FK	Null
CustID	System Generated unique number used to identify customer	Number	ALL	Yes	No	No
BookID	BookIDs that customer has currently borrowed	Number	ALL	No	No	No
Fname	Customer first name	varChar(100)	ALL	No	No	No
Lname	Customer last name	varChar(10)	ALL	No	No	No

BORROWS TABLE

ATTRUBUTE NAME	ATTRIBUTE DESCRIPTION	Type	Range	PK	FK	Null
BookID	Book number corresponding to book borrowed	Number	ALL	Yes	Yes	No
CustID	System Generated unique customer number	Number	ALL	Yes	Yes	No
DateOfBorrow	The date the book was borrowed	DATE	ALL	No	No	No

BOOK TABLE

ATTRUBUTE NAME	ATTRIBUTE DESCRIPTION	Type	Range	PK	FK	Null
BookID	System Generated unique number used to identify books	Number	ALL	Yes	No	No
CurrentCust	Number corresponding to CustID that has borrowed the book	Number	ALL	No	No	No
LoanPeriod	The loan period in total number of days	INT	ALL	No	No	No
OverdueRate	The rate at which the customer is charge per day late	Numeric(5,2)	0.0-100.0	No	No	No
BookName	Short name of the book	varChar(50)	ALL	No	No	No
CheckedOut	Monitors state whether the book is checked out or not	BOOLEAN	T/F	No	No	No
DaysLoaned	Number of days the book has been loaned out	Number	ALL	No	No	No
DueDate	date the book is due	DATE	ALL	No	No	No

Library Database

CIS 205 - Assignment IV
Corey Acri

CurrentCust

LoanPeriod

CustID

OverdueRate

BookID

FName

BookID

*BookID

*CustID

LName

Customer

M

Borrows

N

Book

BookName

CheckedOut

DateOf Borrow

DaysLoaned
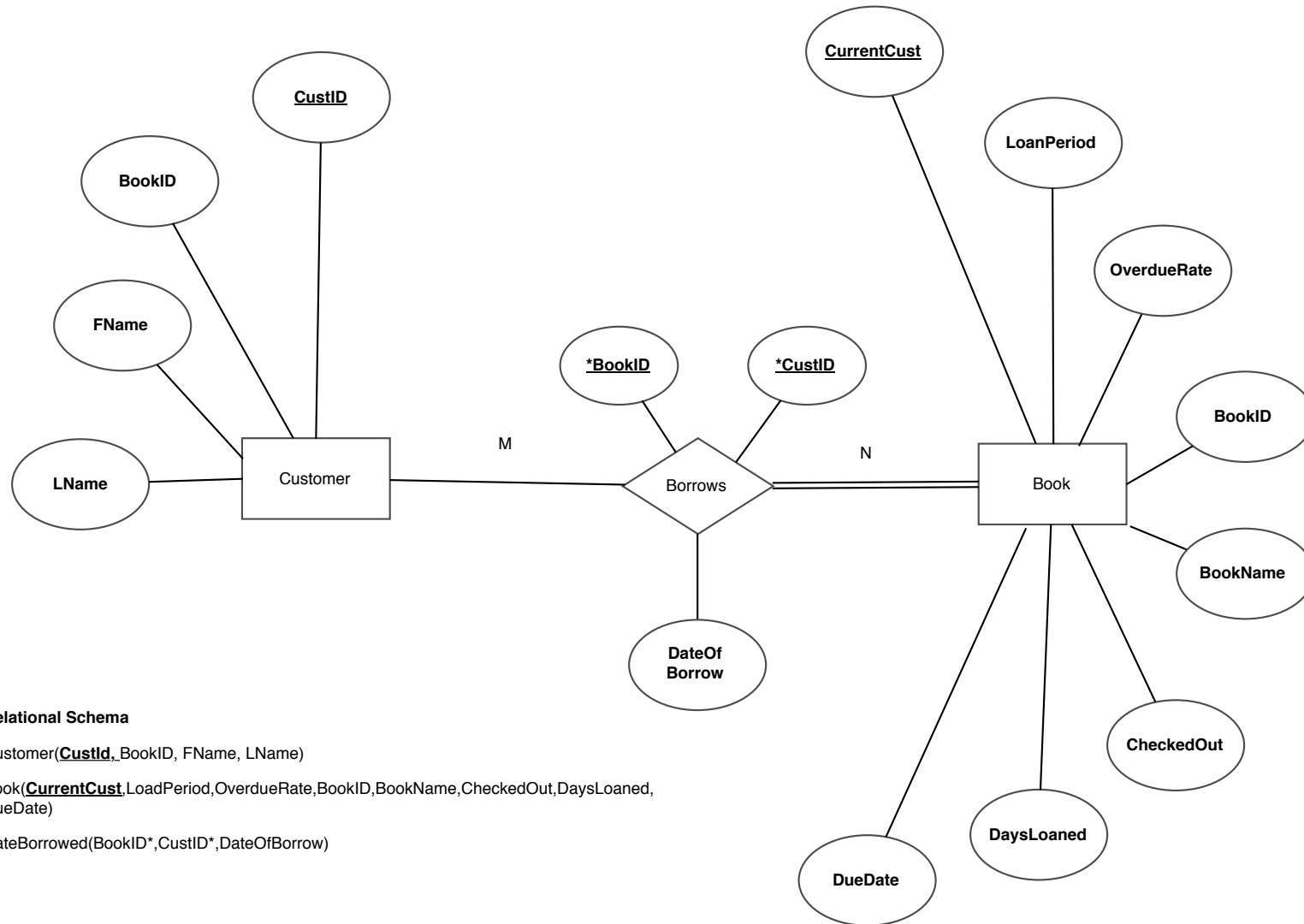
DueDate

Relational Schema

Customer(**CustId,** BookID, FName, LName)

Book(**CurrentCust**,LoadPeriod,OverdueRate,BookID,BookName,CheckedOut,DaysLoaned, DueDate)

DateBorrowed(BookID*,CustID*,DateOfBorrow)

Legend
PK: Bold and Underline
FK: Asterisk