## DVDs for rent DVD name Number of disks Year released Movie type Studio Rating Format Status Customers Customer names

# Movie participants Actors Directors Producers Executive producers Co-producers Assistant producers Writers Composers **Employees**

Employee names

Transactions/orders Customer who rented DVD Employee who ran transaction DVD rented Date rented Date due back Date returned

## DVDs for rent

DVD name
Number of disks
Year released
Movie type
Studio
Rating
Format

## **Participants**

Participant first name Participant middle name Participant last name Role

## Transactions/orders

Customer who rented DVD
Employee who ran transaction
DVD rented
Date rented
Date due back
Date returned

## Customers

Status

Customer first name Customer middle name Customer last name

## **Employees**

Employee first name Employee middle name Employee last name

# DVDs DVDID:SMALLINT

DVDName:VARCHAR(60)

NumDisks:TINYINT

YearRIsd:YEAR

MTypeID:VARCHAR(4) StudID:VARCHAR(4)

RatingID:VARCHAR(4) FormID:VARCHAR(2)

StatID:CHAR(3)

#### MovieTypes

MTypeID:VARCHAR(4)

MTypeDescrip:VARCHAR(30)

#### Participants

PartID:SMALLINT

PartFN:VARCHAR(20) PartMN:VARCHAR(20) PartLN:VARCHAR(20) RoleID:VARCHAR(4)

#### Studios

StudID:VARCHAR(4)

StudDescrip:VARCHAR(40)

#### Roles

RoleID:VARCHAR(4)

RoleDescrip:VARCHAR(30)

#### Status

StatusID:CHAR(3)

StatDescrip:VARCHAR(20)

#### Ratings

RatingID:VARCHAR(4)

RatingDescrip:VARCHAR(30)

#### **Formats**

FormID:CHAR(2)

FormDescrip:VARCHAR(15)

#### **Transactions**

TransID:INT

OrderID:INT

DVDID:SMALLINT

DateOut:DATE
DateDue:DATE
DateIn:DATE

#### **Orders**

OrderID:INT

CustID:SMALLINT EmpID:SMALLINT

#### Customers

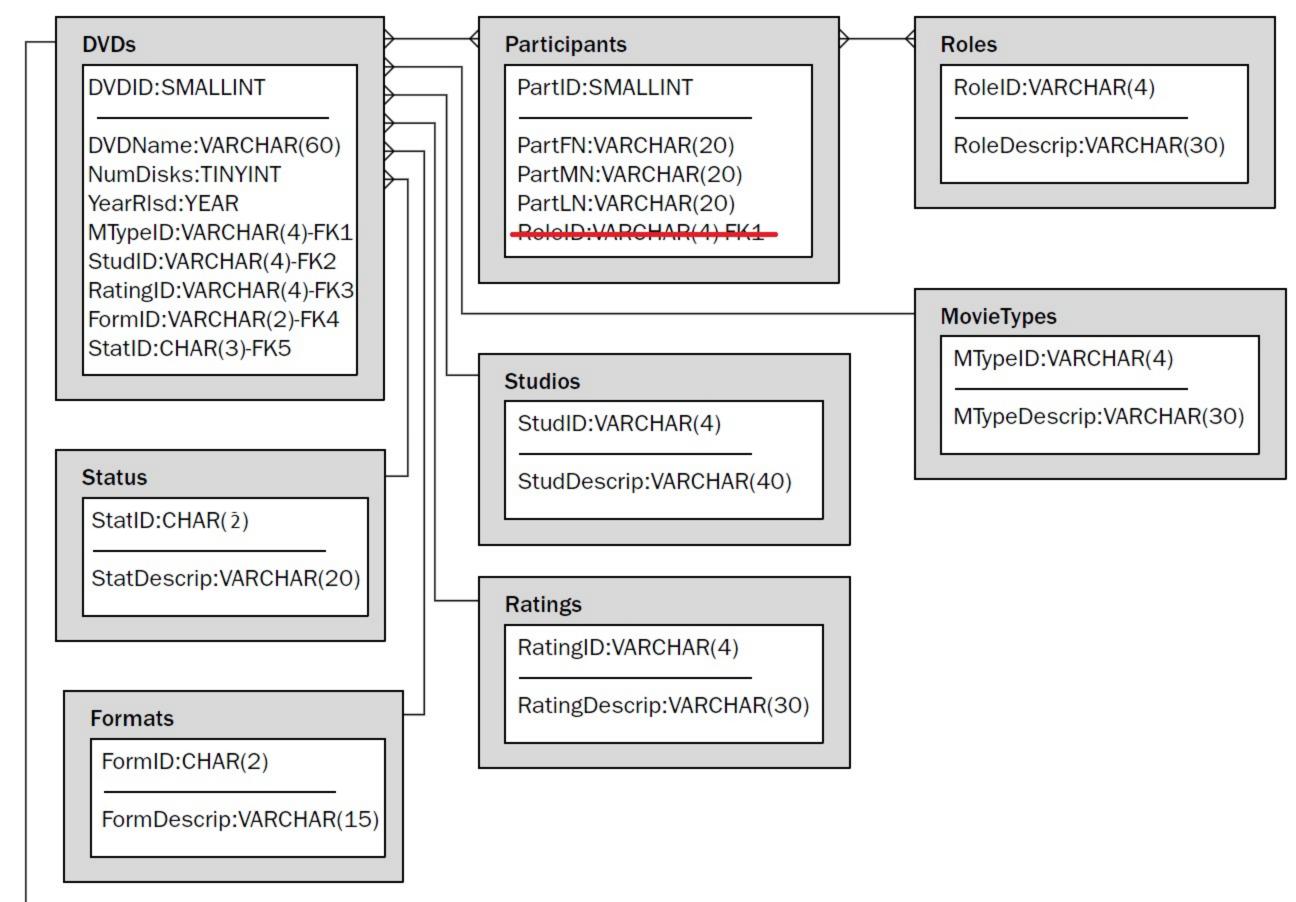
CustID:SMALLINT

CustFN:VARCHAR(20) CustMN:VARCHAR(20) CustLN:VARCHAR(20)

#### **Employees**

EmpID:SMALLINT

EmpFN:VARCHAR(20) EmpMN:VARCHAR(20) EmpLN:VARCHAR(20)



## Transactions Orders **Employees** EmpID:SMALLINT TransID:INT OrderID:INT OrderID:INT CustID:SMALLINT-FK1 EmpFN:VARCHAR(20) EmpMN:VARCHAR(20) DVDID:SMALLINT-FK2 EmpID:SMALLINT-FK2 EmpLN:VARCHAR(20) DateOut:DATE DateDue:DATE DateIn:DATE Customers CustID:SMALLINT CustFN:VARCHAR(20) CustMN:VARCHAR(20) CustLN:VARCHAR(20)

### **DVDs DVDParticipants Participants** DVDID:SMALLINT DVDID:SMALLINT-FK1 PartID:SMALLINT PartID:SMALLINT-FK2 DVDName:VARCHAR(60) RoleID:VARCHAR(4)-FK3 PartFN:VARCHAR(20) NumDisks:TINYINT PartMN:VARCHAR(20) YearRIsd:YEAR PartLN:VARCHAR(20) MTypeID:VARCHAR(4)-FK1 StudID:VARCHAR(4)-FK2 RatingID:VARCHAR(4)-FK3 MovieTypes FormID:VARCHAR(2)-FK4 MTypeID:VARCHAR(4) StatID:CHAR(3)-FK5 Roles MTypeDescrip:VARCHAR(30) RoleID:VARCHAR(4) RoleDescrip:VARCHAR(30) Status **Studios** StatusID:CHAR(3) StudID:VARCHAR(4) StatDescrip:VARCHAR(20) StudDescrip:VARCHAR(40) **Formats** Ratings FormID:CHAR(2) RatingID:VARCHAR(4) FormDescrip:VARCHAR(15) RatingDescrip:VARCHAR(30)

#### Transactions **Employees** Orders OrderID:INT EmpID:SMALLINT TransID:INT EmpFN:VARCHAR(20) OrderID:INT-FK1 CustID:SMALLINT-FK1 EmpMN:VARCHAR(20) DVDID:SMALLINT-FK2 EmpID:SMALLINT-FK2 EmpLN:VARCHAR(20) DateOut:DATE DateDue:DATE DateIn:DATE Customers CustID:SMALLINT

CustFN:VARCHAR(20)

CustMN:VARCHAR(20)

CustLN:VARCHAR(20)