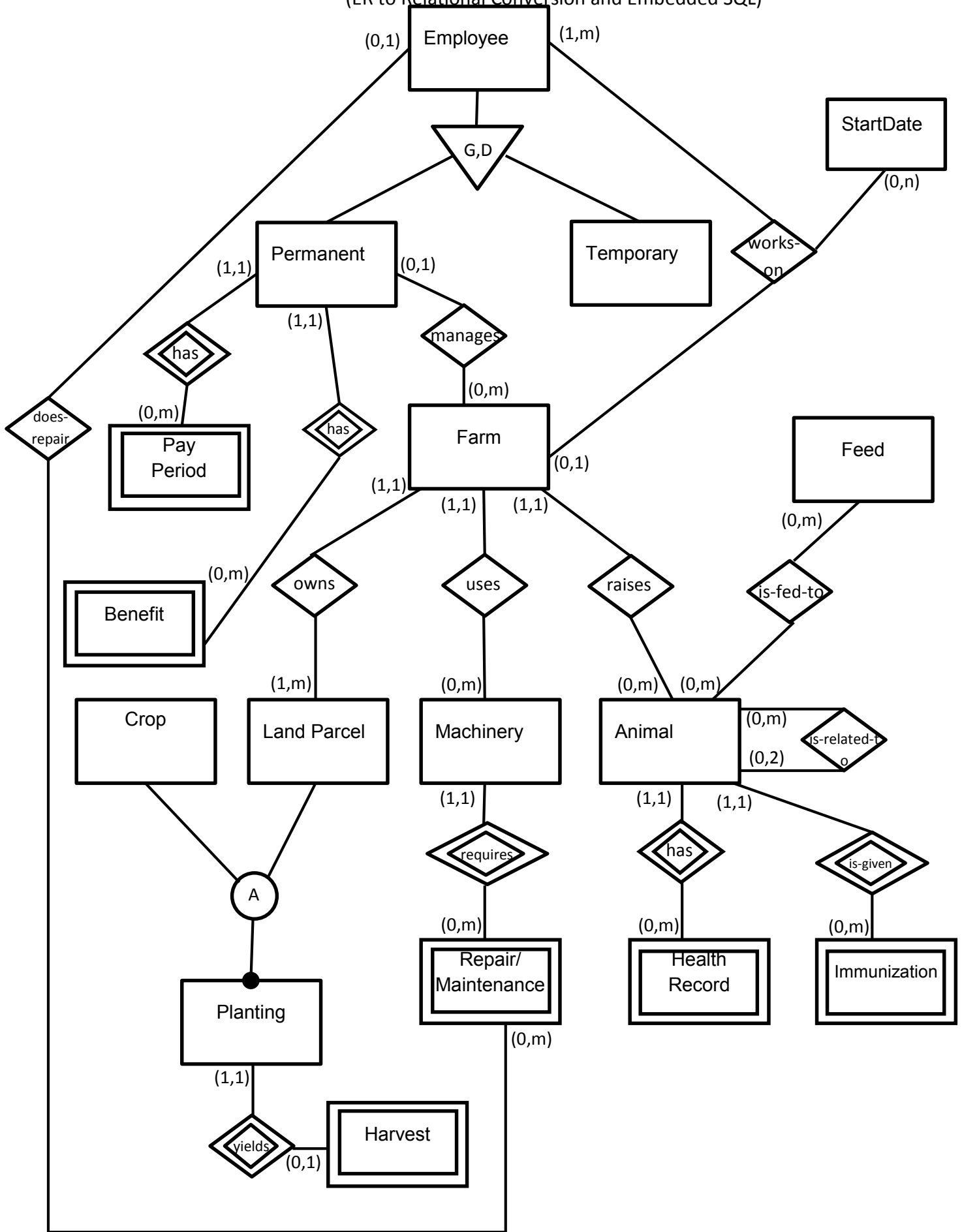


(ER to Relational Conversion and Embedded SQL)



Entities:

Employee

Emp-ID (Entity Identifier)
EmpFName
EmpLName
EmpBirthdate
EmpStreet Address
EmpCity
EmpState
EmpZip
EmpPhone

Permanent

Entity Identifier same as Employee
NumberDependents

Temporary

Entity Identifier same as Employee
Skills (multivalued attribute)

StartDate

EmpStartDate
EmpEndDate

PayPeriod

PayDate (Discriminator)
PayRate
NumberRegHoursWorked
NumberOvertimeHoursWorked
Payment Amount
FederalDeduction
State Deduction
SocialSecurityDeduction

Benefit

BenefitID (Discriminator)
BenefitDescription
BenefitAmount

Farm

FarmID (Entity Identifier)
FarmName
FarmStreetAddr
FarmCity
FarmState
FarmZip
FarmPhone
FarmSpeciality

Feed

FeedLotNumber (Entity Identifier)
FeedName
FeedManufacturer

Crop

CropID (Entity Identifier)
CropName
CropDescription
CropOptimalPlantingDate
CropOptimalHarvestDate
CropOptimalPlantingWeather

LandParcel

LandParcelNumber (Entity Identifier)
LandDescription
LandPlatAddress

Machinery

MachID (Entity Identifier)
MachName
MachVehicleID
MachPurchaseDate
MachPurchasePrice
MachPurchaseVendor
MachManufacturer

Animal

AnimalID (Entity Identifier)
AnimalType
AnimalSelling
AnimalBreeding
AnimalBirthdate
AnimalGender

Repair/Maintenance

RepairDate (Discriminator)
RepairDescription
RepairCost
RepairOutsideVendor

HealthRecord

HealthDate (Discriminator)
HealthVetName
HealthDiagnosis

Immunization

ImmunizationID (Discriminator)
ImmunDate
ImmunDescription
ImmunDosage
ImmunReaction

Planting

PlantingBeginDate (Discriminator)
PlantingEndDate
PlantingAmountSeeds
PlantingFertilizerTypeUsed
PlantingFertilizerAmountUsed
PlantingWeather
PlantingEstimatedBushels

Harvest

HarvestBeginDate (Discriminator)
HarvestEndDate
HarvestBushelsReaped
HarvestWeather

Relationships

Feed-is-fed-to-Animal

AnimalID, FeedLotNumber (Relationship Identifier)
DateFed