

70040 11

ER and Relational Models

Submitters

sf23

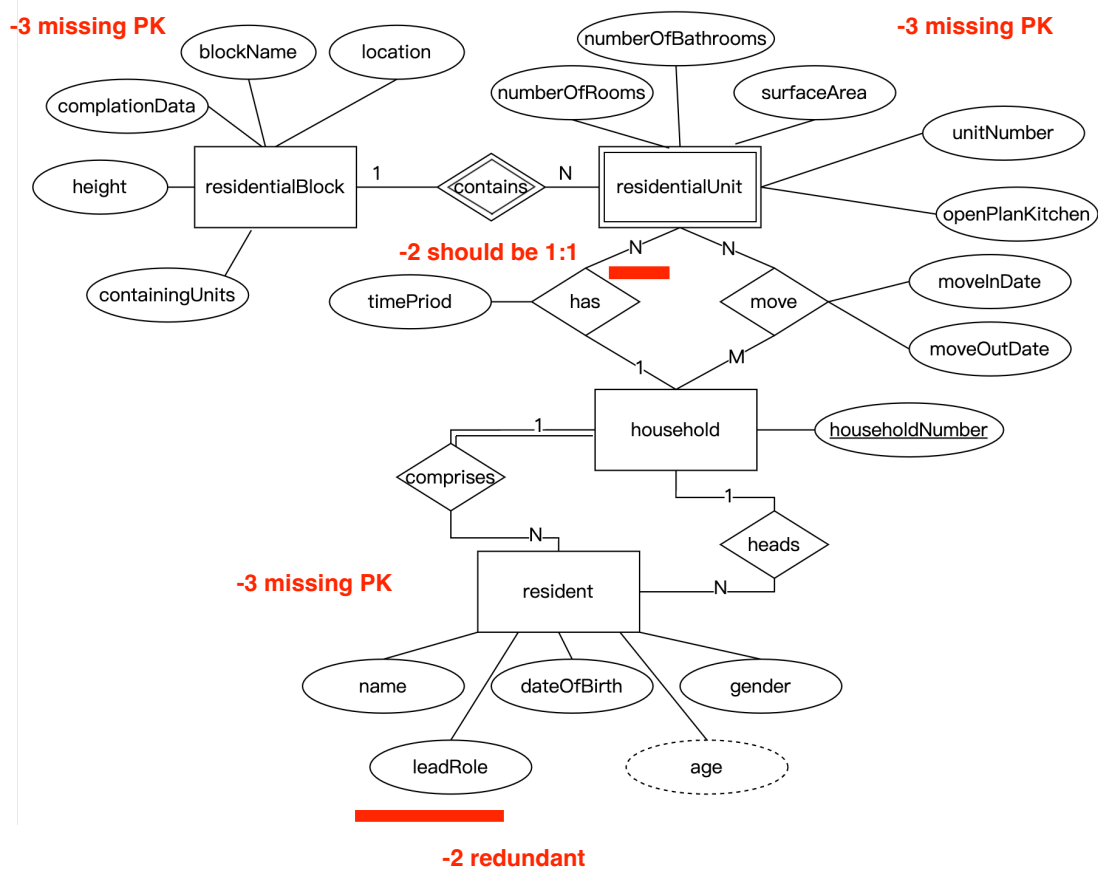
Shihan Fu

81

Emarking

DATABASE CW1

1.



2.

PILOT (Ssn, Name, Address, Lic_num, Restr, Phone)

-2 Phone should not be here, missing Phone table

PLANT_TYPE (Model, Weight, Capacity)

HANGAR (Number, Location, Capacity)

CORPORATION (Name, Address, Phone)

Airport (Name)

AIRPLANE (Reg#)

-2 Phone should not be here, missing Phone table

SERVICE (Hours, Date, Workcode, AirplaneReg)

-2 wrong PK

AirplaneReg references AIRPLANE.Reg# on delete cascade

(AirplaneReg not null)

FILES (PilotSsn, PlaneModel, QualificationDate)

PilotSsn references PILOT.Ssn on delete cascade

PlaneModel references PLANE.Model on delete cascade

OWNS (CorporationName, AirplaneReg, PurchaseDate)

CorporationName references CORPORATION.Name on delete cascade

AirplaneReg references AIRPLANE.Reg# on delete cascade

Based (CorporationName, AirportName)

CorporationName references CORPORATION.Name

AirportName references Airport.Name on delete cascade

OF_TYPE (PlaneTypeModel, AirplaneReg)

PlaneTypeModel references PLANE_TYPE.Model on delete cascade

AirplaneReg references AIRPLANE.REG#

STORED_IN (HangerNumber, AirplaneReg, Reason)

HangerNumber references HANGER.Number

AirplaneReg references AIRPLANE.REG#

PLANE_SERVICE (AirplaneReg, ServiceHours, ServiceDate, ServiceWorkcode)

AirplaneReg references AIRPLANE.Reg# on delete cascade

ServiceHours references SERVICE.Hours

ServiceDate references SERVICE.Date

ServiceWorkcode references SERVICE.Workcode