Katharine Craven

1) **Engineers**
   EID -> HighestDegree
   EID -> FavVideogame

   Person
   PID -> FirstName
   PID -> LastName
   PID -> Age

   Astronauts
   AID -> YearsFlying
   AID -> GolfHandicap
   AID -> SpouseName

   FCO
   FCOID -> ChairPreference
   FCOID -> PreferredDrink
   FCOID -> HangoverCure

   Spacecraft
   SpaceID -> Name
   SpaceID -> TailNumber
   SpaceID -> WeightInTons
   SpaceID -> FuelType

   Systems
   SysID -> Name
   SysID -> Description
   SysID -> CostUSD

   Parts
   PartID -> Name
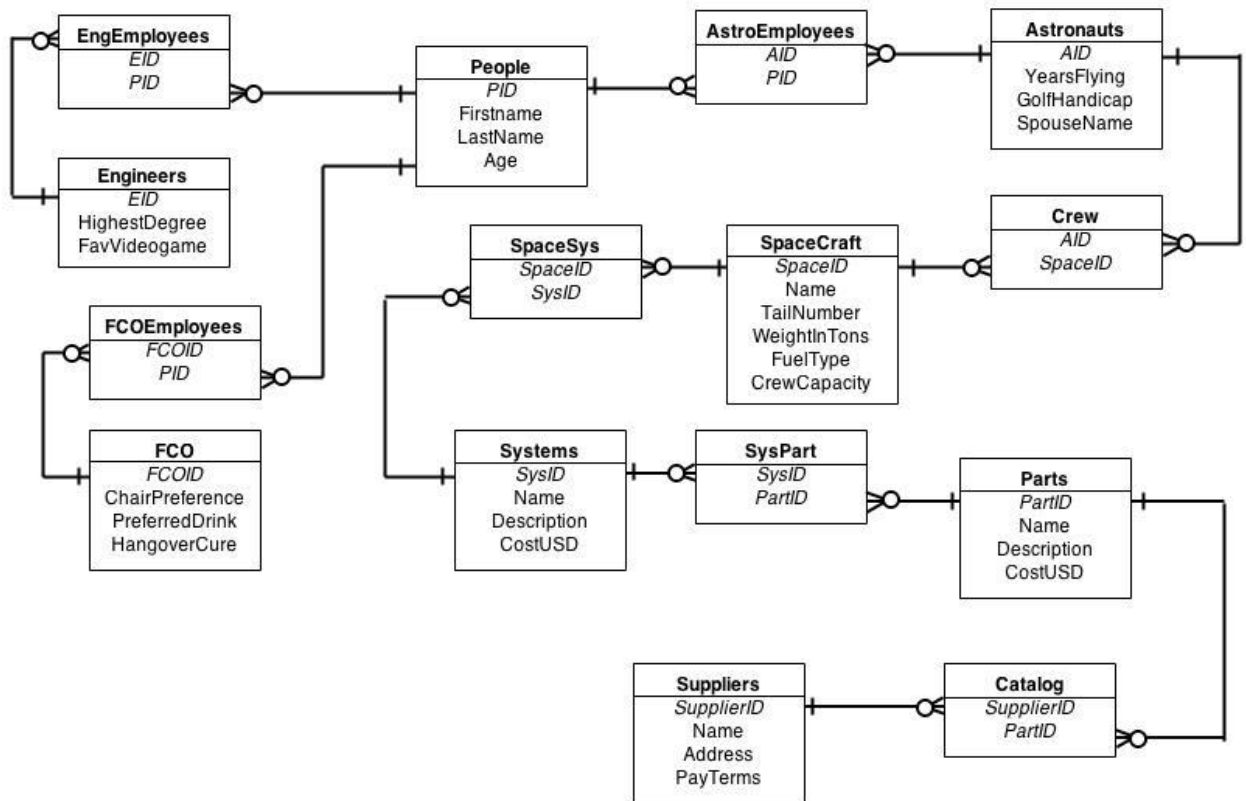   PartID -> Description
   PartID -> CostUSD

   Suppliers
   SupplierID -> Name
   SupplierID -> Address
   SupplierID -> PayTerms

2)

EngEmployees
EID
PID

People
PID
Firstname
LastName
Age

AstroEmployees
AID
PID

Astronauts
AID
YearsFlying
GolfHandicap
SpouseName

Engineers
EID
HighestDegree
FavVideogame

Crew
AID
SpaceID

SpaceSys
SpaceID
SysID

SpaceCraft
SpaceID
Name
TailNumber
WeightInTons
FuelType
CrewCapacity

FCOEmployees
FCOID
PID

FCO
FCOID
ChairPreference
PreferredDrink
HangoverCure

Systems
SysID
Name
Description
CostUSD

SysPart
SysID
PartID

Parts
PartID
Name
Description
CostUSD

Suppliers
SupplierID
Name
Address
PayTerms

Catalog
SupplierID
PartID

3) This database is in 3rd Normal Form because all the attributes in each table are determined only by the candidate keys of that table. Each attribute is determined by the primary key of that table, and by nothing else.