



Dependencies:

PID --> firstName, lastName, age

PID --> chairPreference, preferredDrink, recommendedHangoverCure

PID --> yearsFlying, golfHandicap, spouseName

PID --> highestDegree, favoriteVideoGame

SID --> name, tailNumber, weightInTons, fuelType, crewCapacity

SID, systemName --> description, costUSD

systemName, partName --> description, costUSD

SupID --> name, address, paymentTerms

Why this E/R diagram is in 3NF:

1NF: There are no inner structures in the fields, therefore it is in 1NF

2NF: There are no partial key dependencies, because each dependency relies on the whole key

3NF: dependencies are not reliant on anything but the key. Therefore it is in 3NF