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Function Dependencies

People

Pid \rightarrow firstName, lastName, GoldHandicap, age, HighestacademicDegree,
FavoriteVideoGame,
SpouseLastName, SpouseFirstName

Astronaut

Pid \rightarrow YearsFlying

SpaceCraft

TailNumber \rightarrow Weight, Name, FuelType, CrewCapacity

Systems

Name \rightarrow Description, CostUSD

FlightControlOperators

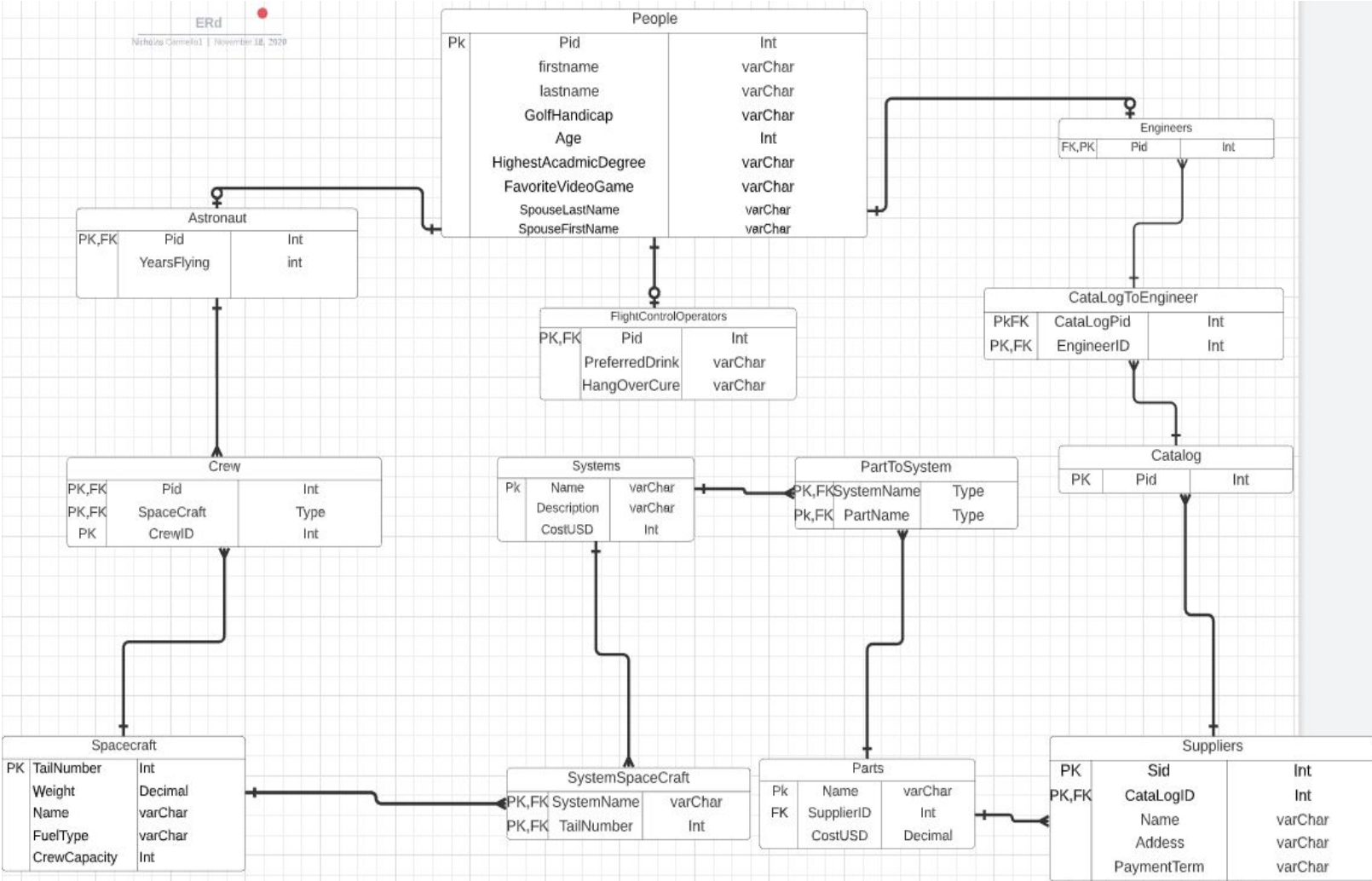
Pid \rightarrow PreferredDrink, HangOverCure

Parts

Name \rightarrow SupplierID, CostUSD

Suppliers

Sid \rightarrow name, address , PaymentTerm



The database would be in 3NF because the database is in first normal form. Every Column will be atomic. It is in 2nd normal form because it has no partial key dependencies. It is in 3rd normal form because it is in 2nd normal form and there are no transitive dependencies. It is in BCNF because the keys don't depend on each other.

