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Alliyah Taylor
Lab 9
11|16|2016
   1. Functional Dependencies
People
       PID → firstName, lastName, Age
Flight Control Operators
       PID→chairPreference, preferredDrink, hangoverCure
Engineers
       PID→highestDegree, favoriteGame
Astronauts
       PID-→yearsFlying, golfHandicap
Crew
       (PID,SID)→
Spacecraft
       SID→Name, tailNumber, weightTons, fuelType, crewCapacity
SystemsIn
       (SID, sysID)→
Systems
       sysID→Name, Description, costUSD
PartsIn
       (sysID, partsID)→
Parts
       partsID→Name, Description, costUSD
```

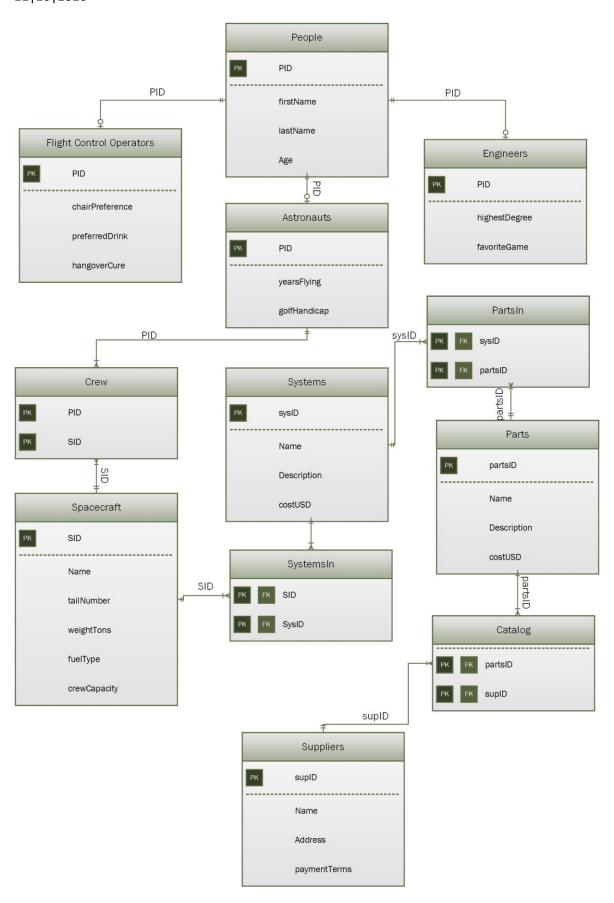
Catalog

**Suppliers** 

(partsID, supID)→

2. The Diagram

supID→Name, Address, paymentTerms



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3. The diagram is in 3NF because every non-key attribute in each table is functionally dependent upon the entire primary key, and nothing else as illustrated by the functional dependencies.