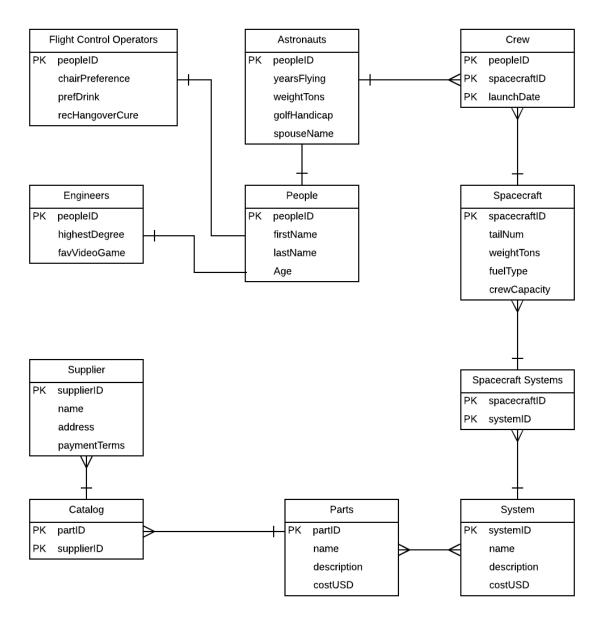
## Lab 9

1)	Functional Dependencies:
	Catalog: partID, supplierID
	Supplier: supplierID
	Parts: partsID
	People: peopleID
	Spacecraft Systems: spacecraftID, systemID
	<ul> <li>Crew: peopleID, spacecraftID, launchDate</li> </ul>
	• Spacecraft: spacecraftID \( \square\) tailNum, weightTons, fuelType, crewCapacity
	• Flight Control Operators: peopleID chairPreference, prefDrink,
	recHangoverCure
	<ul> <li>Astronauts: peopleID  yearsFlying, golfHandicap, spouseName</li> </ul>
	Engineers: peopleID



3) Since the database is clearly in Boyce-Codd Normal Form that would mean that it would also have to be in 1<sup>st</sup> Normal Form. If the given values in the tables are put through join statements and they cannot be divided which would make them singular. That means it is in 1<sup>st</sup> Normal Form. There are also no partial dependencies because all of the tables I have made are identified by primary keys. Which means that the database is in 2<sup>nd</sup> Normal Form. Since there are not transitive dependencies makes this table 3<sup>rd</sup> Normal Form.