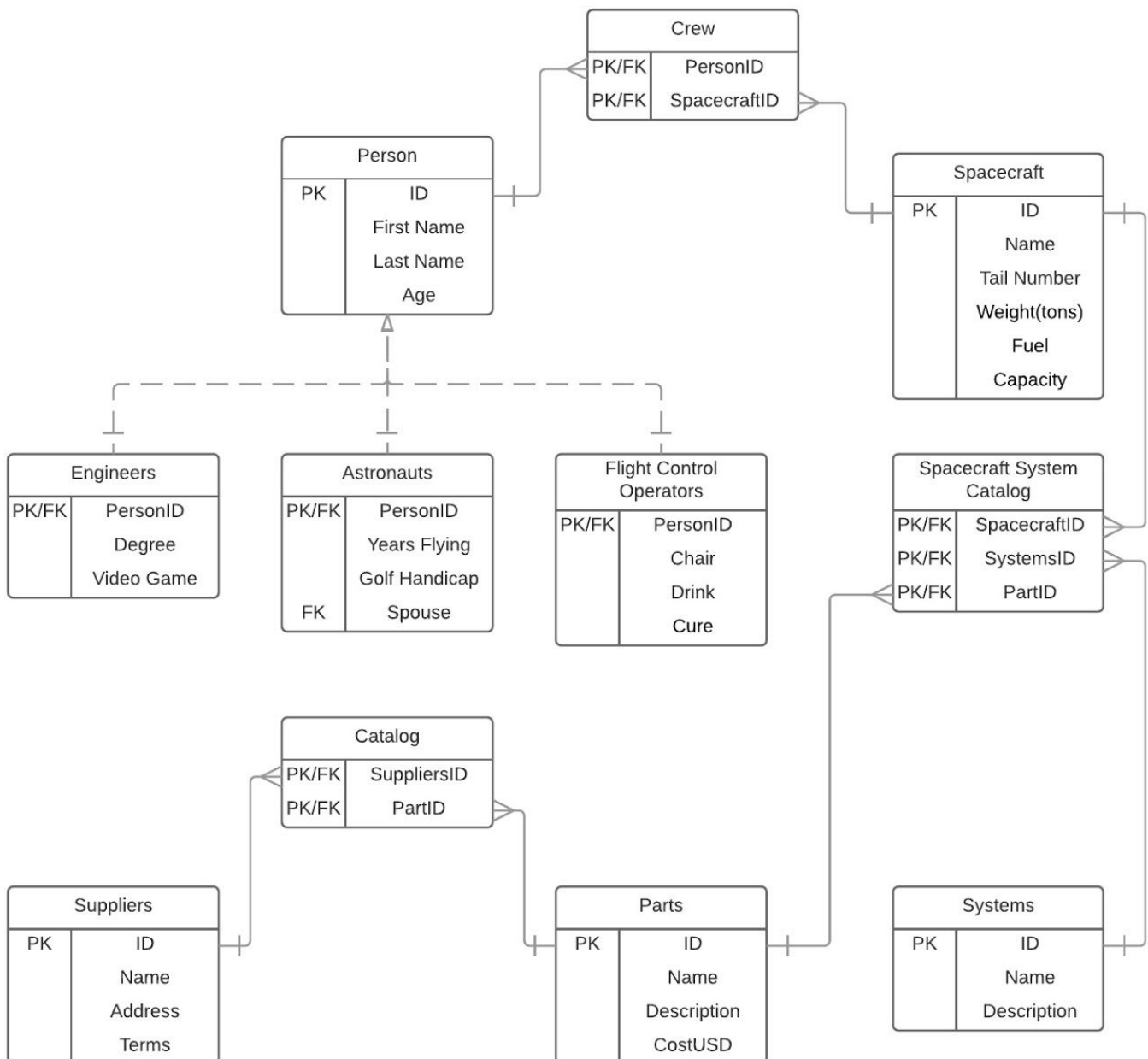Lab 9

Anders Lykkehoy

1. Functional Dependencies:
   a. Parts: Name, Description, CostUSD depend on ID
   b. Suppliers: Name, Address, Terms depend on ID
   c. Systems: Name, Description depend on ID
   d. Spacecraft: Name, Tail Number, Weight(tons), Fuel, Capacity depend on ID
   e. Person: First Name, Last Name, Age depend on ID
   f. Engineer: Degree, Video Game depend on PersonID
   g. Astronauts: Years Flying, Golf Handicap, Spouse depend on PersonID
   h. Flight Control Operators: Char, Drink, Cure depend on PersonID
2. E/R Diagram:

3. 3rd Normal Form:
    a. This is in 3rd normal form because there are no partial dependencies. All non-key columns depend on the entire key of each table.