

Phillip Picinic

Database Management

Lab 9

4/19/15

1. Persons table – pId -> firstName, lastName, age

Engineers table – pId -> highestDegree, favoriteVideoGame

Astronauts table – pId -> yearsFlying, golfHandicap, spouseName

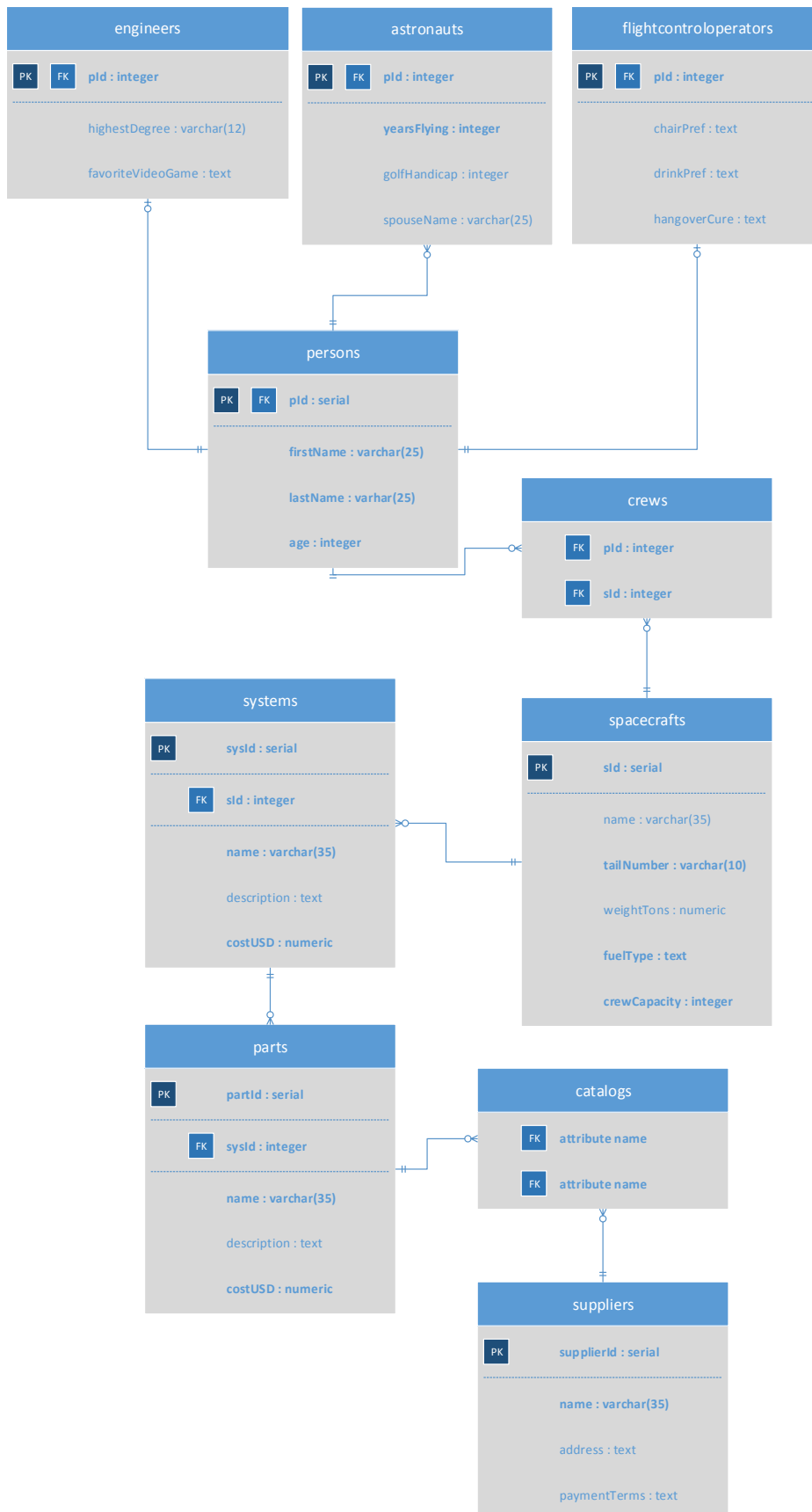
Flightcontroloperators table – pId -> chairPref, drinkPref, hangoverCure

Spacecrafts table – sId -> name, tailNumber, weightTons, fuelType, crewCapacity

Systems table – sysId -> sId, name, description, costUSD

Parts table – partId -> sysId, name, description, costUSD

Suppliers table – supplierId -> name, address, paymentTerms



3. 1NF – There exist no multivalued attributes in any of the tables.

2NF – 1NF + there exist no attribute which is partially dependent on the key.

3NF – 2NF + every nonkey value is dependent only on the whole primary key shown by the functional dependencies.

BCNF – I think there are no transitive dependencies, but I'm not really sure ☺.