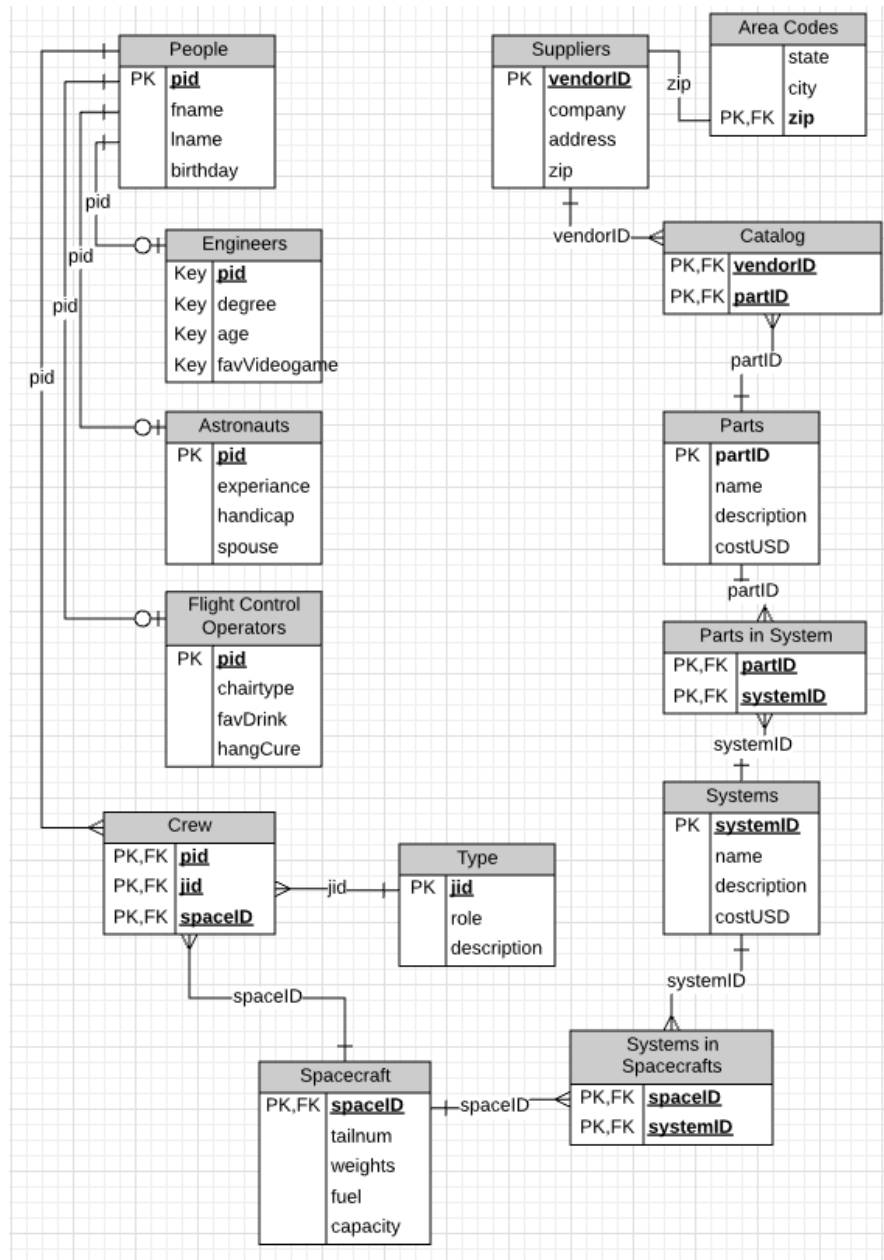


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Database Management

11/11/2016

1. Beautiful E/R Diagram



2. Functional Dependencies?

- Catalog**
vendorID, partID
- Crew**
Pid, jid, spaceID
- Systems in Spacecrafts**

	spaceID, systemID
d. Engineers	
Pid	degree, age, favvideogame
e. Astronauts	
Pid	experience, handicap, spouse
f. FCO	
Pid	chairtype, favdrink, hangcure
g. Type	
Jid	role, description
h. Spacecraft	
SpaceID	talinum, weights, fuel, capacity
i. Systems	
systemID	name, description, costUSD
j. Parts	
partID	name, description, costUSD
k. Suppliers	
VendorID	company, address, zip
l. Area Codes	
Zip	city state
m. Person	
Pid	fname, lname, birthday, staddress, zip, spouse

3. Why is it in 3NF?

It is in first normal form (1NF) because each cell in the solution has at least one piece of data in it. Each of the columns names anticipates just one piece of data for every row, or otherwise it is null.

It is in second normal form (2NF) because when looking at the functional dependencies there is not any that rely with one another. Also in addition to this each of the non-primary keys (foreign) that determine a primary key.

It is in third normal form (3NF) because there are no transitive dependencies because each table is only one column in the primary key, or there are two primary key columns.

The difference between the 3NF and BCNF is that the clause is a member of some key. The clause excuses a functional dependent if it is prime.

It is in BCNF because...