Ryan Owens

Database Systems Lab 9

11/17/16

People: PID → fName, lName, age

Engineers: PID → academicDegree, favVideoGame

Flight Control Operators: OpID → chairPreference, prefDrink, hangoverCure

Astronauts: PID → yrsFlying, golfHandicap, spouseName

Spacecraft: SCID → name, tailNum, weightInTons, fuelType, crewCapacity

Team: TID, PID → assignDate

Project: SCID, TID, SysID → startDate, endDate

Flights: OpID, crewID, SCID → launchDate, returnDate

Crew: PID, crewID → assignDate

Systems: SysID, PartID → name, desc, costUSD

Parts: PartID → name, desc, costUSD

Catalog: SupID, PartID →

Suppliers: SupID → name, address, paymentTerms

ER Diagram

People

PK	**PID**
	fName lName age

Engineers

PK,FK1,FK2	**PID**
	academicDegree favVideoGame

Spacecraft

PK	**SCID**
	name tailNum weightInTons fuelType crewCapacity

Flight Control Operators

PK,FK1	**OpID**
	chairPreference prefDrink hangoverCure

Astronauts

PK,FK1,FK2	**PID**
	yrsFlying golfHandicap spouseName

Team

| PK | **TID** |
PK	**PID**
	assignDate

Project

| PK,FK1 | **SCID** |
| PK,FK3 | **TID** |
PK,FK2	**SysID**
	startDate endDate

Flights

| PK,FK1 | **OpID** |
| PK,FK2 | **crewID** |
PK,FK3	**SCID**
	launchDate returnDate

Crew

| PK | **PID** |
PK	**crewID**
	assignDate

Systems

| PK | **SysID** |
PK	**PartID**
	name desc costUSD

Parts

PK,FK1	**PartID**
	name desc costUSD

Catalog

| PK,FK2 | **PartID** |
PK,FK1	**SupID**

Suppliers

PK	**SupID**
	name address paymentTerms