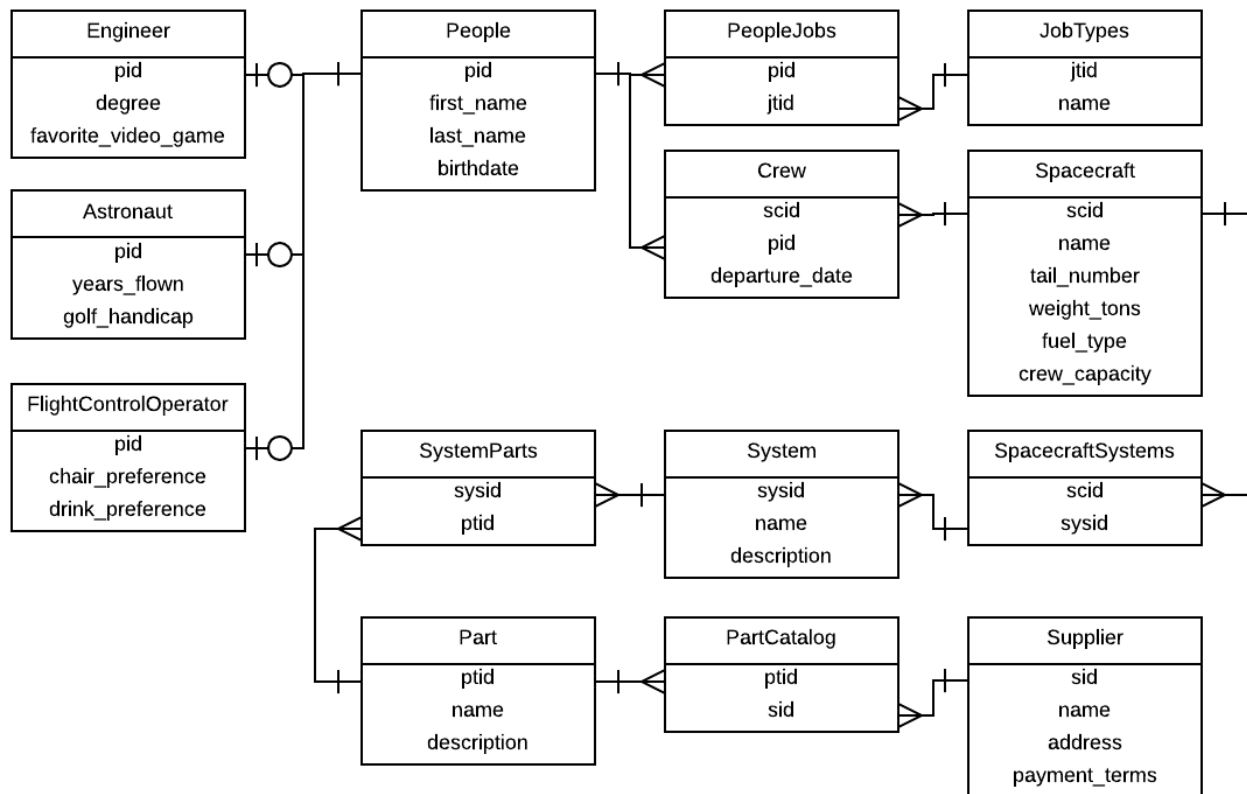Jason Wong
Lab 9
4/15/2014
1.

2.
```
CREATE TABLE People (
  pid INT PRIMARY KEY,
  first_name TEXT NOT NULL,
  last_name TEXT NOT NULL,
  birthdate DATE
);

CREATE TABLE Engineer (
  pid INT PRIMARY KEY REFERENCES People NOT NULL,
  degree TEXT,
  favorite_video_Game TEXT
);

CREATE TABLE Astronaut (
  pid INT PRIMARY KEY REFERENCES People NOT NULL,
  years_flown INT,
  golf_handicap INT
);

CREATE TABLE FlightControlOperator (
```

```sql
  pid INT PRIMARY KEY REFERENCES People NOT NULL,
  chair_preference TEXT,
  drink_preference TEXT
);

CREATE TABLE JobTypes (
  jtid INT PRIMARY KEY,
  name TEXT NOT NULL
);

CREATE TABLE PeopleJobs (
  pid INT REFERENCES People,
  jtid INT REFERENCES JobTypes,
  CONSTRAINT pj_pk PRIMARY KEY (pid, jtid)
);

CREATE TABLE Spacecraft (
  scid INT PRIMARY KEY,
  name TEXT NOT NULL,
  tail_number INT NOT NULL,
  weight_tons INT,
  fuel_type INT,
  crew_capacity INT
);

CREATE TABLE Crew (
  scid INT REFERENCES Spacecraft,
  pid INT REFERENCES People,
  departure_date DATE,
  CONSTRAINT c_pk PRIMARY KEY (scid, pid)
);

CREATE TABLE System (
  sysid INT PRIMARY KEY,
  name TEXT,
  description TEXT
);

CREATE TABLE SpacecraftSystems (
  scid INT REFERENCES Spacecraft,
  sysid INT REFERENCES System,
  CONSTRAINT ss_pk PRIMARY KEY (scid, sid)
);

CREATE TABLE Part (
  ptid INT PRIMARY KEY,
  name TEXT,
  description TEXT
);
```

```
CREATE TABLE SystemParts (
  sysid INT REFERENCES System,
  ptid INT REFERENCES Part,
  CONSTRAINT sp_pk PRIMARY KEY (sysid, ptid)
);

CREATE TABLE Supplier (
  sid INT PRIMARY KEY,
  name TEXT NOT NULL,
  address TEXT,
  payment_terms TEXT
);

CREATE TABLE PartCatalog (
  ptid INT REFERENCES Part,
  sid INT REFERENCES Supplier,
  CONSTRAINT pc_pk PRIMARY KEY (ptid, sid)
);
```