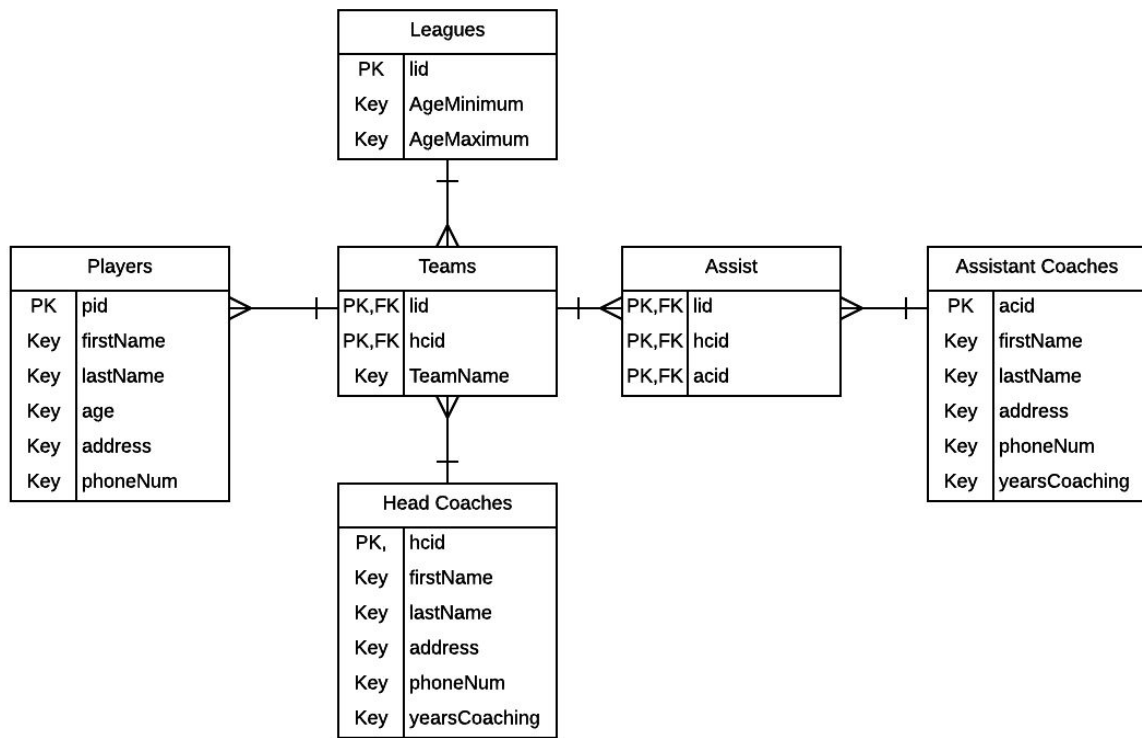


-- Joseph Gust 4/11/2017 Lab 9 --

```
DROP TABLE IF EXISTS Assist;  
DROP TABLE IF EXISTS Teams;  
DROP TABLE IF EXISTS AssistantCoaches;  
DROP TABLE IF EXISTS HeadCoaches;  
DROP TABLE IF EXISTS Players;  
DROP TABLE IF EXISTS Leagues;
```



```
CREATE TABLE Players (  
  pid    char(4) not null,  
  firstName text,  
  lastName text,  
  age     integer,  
  address text,  
  phoneNum integer,  
  PRIMARY KEY (pid)
```

```
);
```

```
-- CREATE INDEX "Key" ON "Players" ("firstName", "lastName", "age", "address",  
"phoneNum");
```

```
CREATE TABLE Leagues (  
  lid          char(4) not null,  
  AgeMinimum   integer,  
  AgeMaximum   integer,  
  PRIMARY KEY (lid)  
);
```

```
-- CREATE INDEX "Key" ON "Leagues" ("AgeMinimum", "AgeMaximum");
```

```
CREATE TABLE HeadCoaches (  
  hcid          char(4) not null,  
  firstName     text,  
  lastName      text,  
  address       text,  
  phoneNum      integer,  
  yearsCoaching integer,  
  PRIMARY KEY (hcid)  
);
```

```
-- CREATE INDEX "PK," ON "HeadCoaches" ("hcid");
```

```
-- CREATE INDEX "Key" ON "HeadCoaches" ("firstName", "lastName", "address",  
"phoneNum", "yearsCoaching");
```

```
CREATE TABLE AssistantCoaches (  
  acid          char(4) not null,  
  firstName     text,  
  lastName      text,  
  address       text,  
  phoneNum      integer,  
  yearsCoaching integer,  
  PRIMARY KEY (acid)  
);
```

```
-- CREATE INDEX "Key" ON "AssistantCoaches" ("firstName", "lastName", "address",  
"phoneNum", "yearsCoaching");
```

```
CREATE TABLE Teams (  
  tid          char(4) not null,  
  name         text,  
  address      text,  
  phoneNum     integer,  
  PRIMARY KEY (tid)  
);
```

```

    lid    char(4) not null references leagues(lid),
    hcid    char(4) not null references headCoaches(hcid),
    TeamName text,
    PRIMARY KEY (lid,hcid)
);

-- CREATE INDEX "PK,FK" ON "Teams" ("lid", "hcid");

-- CREATE INDEX "Key" ON "Teams" ("TeamName");

CREATE TABLE Assist (
    lid    char(4) not null references teams(lid),
    hcid    char(4) not null references teams(hcid),
    acid    char(4) not null references assistantCoaches(acid),
    PRIMARY KEY (lid,hcid,acid)
);

-- CREATE INDEX "PK,FK" ON "Assist" ("lid", "hcid", "acid");

-- CREATE INDEX "Key" ON "Assist" ("Field");

-- Load Data

-- Leagues --
INSERT INTO Leagues(lid, ageMinimum, ageMaximum)
VALUES('l001',0,9);
INSERT INTO Leagues(lid, ageMinimum, ageMaximum)
VALUES('l002',10,14);
INSERT INTO Leagues(lid, ageMinimum, ageMaximum)
VALUES('l003',15,null);

-- Players --
INSERT INTO Players(pid, firstName, lastName, age, address, phoneNum)
VALUES('p001','Peragrin','Took',28,'147 Shire Road', 1112223456);
INSERT INTO Players(pid, firstName, lastName, age, address, phoneNum)
VALUES('p002','Meriadoc','Brandybuck',36,'120 Brandybuck Lane', 1234567890);

-- HeadCoaches --
INSERT INTO HeadCoaches(hcid, firstName, lastName, address, phoneNum, yearsCoaching)
VALUES('hc01','Gandalf','StormCrow',2487,null, 1111111111);

-- AssistantCoaches --

```

```
INSERT INTO AssistantCoaches(acid, firstName, lastName, address, phoneNum,  
yearsCoaching)  
VALUES('ac01','Radagast','TheBrown',2487,null, 0001117777);
```

```
-- Teams --
```

```
INSERT INTO Teams(lid, hcid, teamName)  
VALUES('l001','hc01','The Wandering Wizards');
```

```
-- Assists --
```

```
INSERT INTO Assists(lid, hcid, acid)  
VALUES('l001','hc01','ac01');
```

```
select *  
from Players;
```

```
select *  
from Leagues;
```