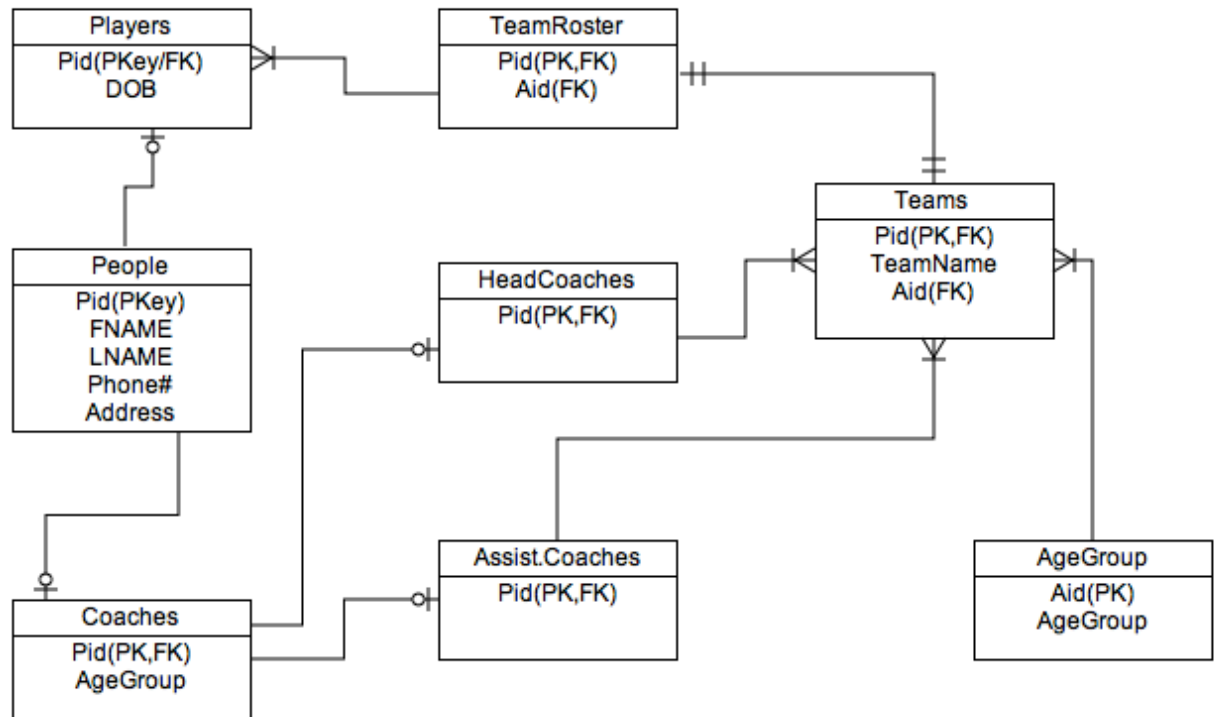Jarett Miller
Database Management
Alan Labouseur

Normalization HW #3

Dependencies:

People: Pid → fname, lname, address, phone#

Players: Pid → DOB

TeamRoster: Pid, Aid

Coaches: Pid

Assit.Coaches: Pid

HeadCoaches: Pid

Teams: Pid, Aid → teamname

AgeGroups: Aid → ageGroup

3rd Normal Form Explanation

This database has no partial/multiple key dependencies. The primary keys can never be replaced in the sense that two players can have the same entity descriptions, and in a similar sense, two teams can have the same entity descriptions (ex: team name). However, the primary keys of these tables will stay unique unlike the other entity descriptions/attributes. All these things are what make this system in 3rd normal form.

View: Shows teams in 10-14 age group

CREATE VIEW Teams_In_AgeGroup_10-14

SELECT t.teamname

FROM teams t, agegroups ag

 WHERE t.aid = ag.aid

AND ag.agegroup = '10-14';