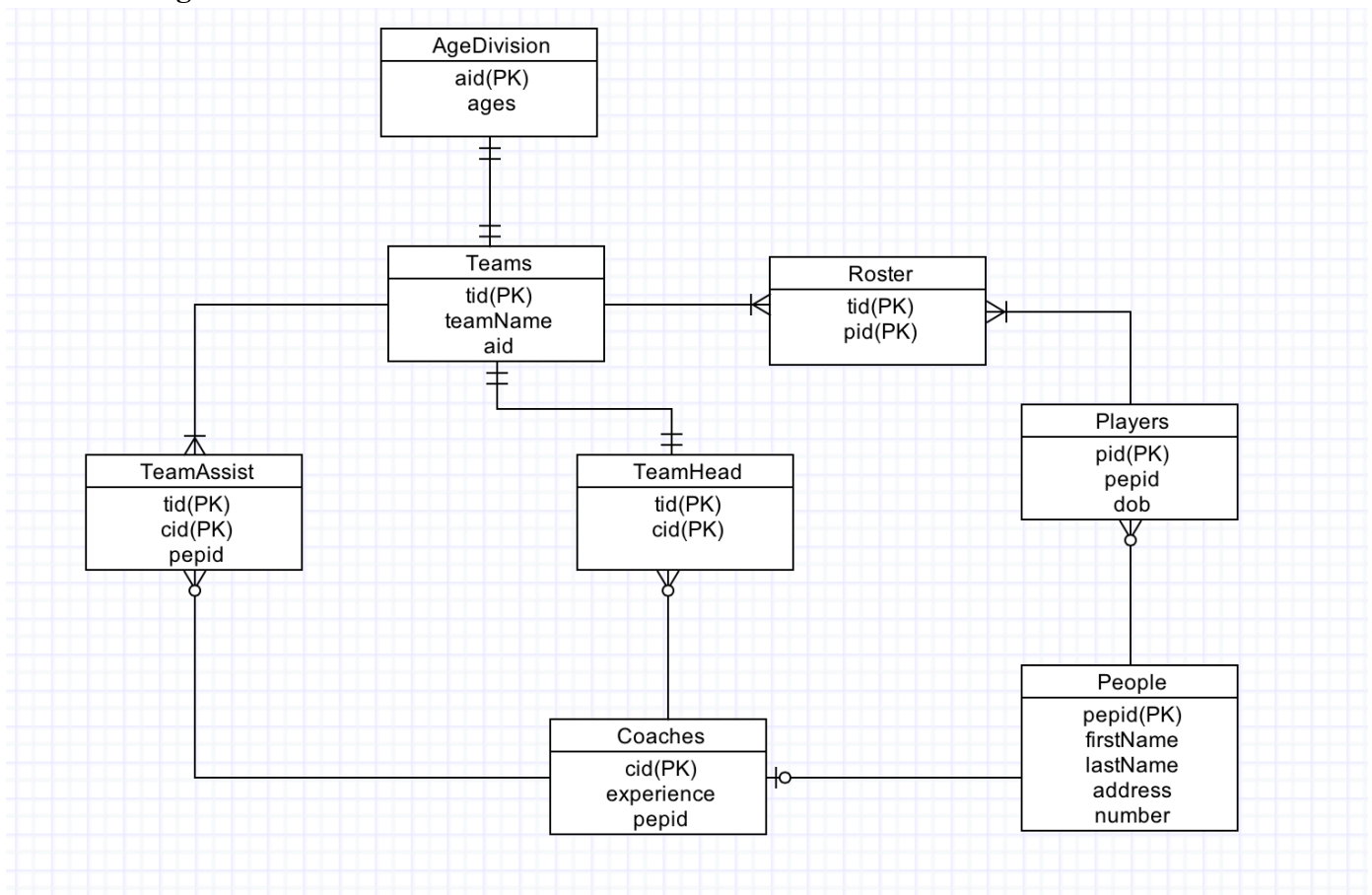Connor Loughlin

Database Management

Normalization Homework 3

11/12/13

ER Diagram:

Functional Dependencies:

Age Division: aid → ages

Teams: tid → teamName, aid

Roster: tid, pid → teamName, aid, dob, pepid

TeamAssist: tid, cid → teamName, aid, experience, pepid

TeamHead: teamName, aid, experience, pepid

Players: pid → pepid, dob

Coaches: cid → pepid, firstName, lastName address, experience, number

People: pepid → firstName, lastName, address, number

Reasoning:

My entity relationship diagram is in third normal form for the following reasons: every attribute in each table is determined by the primary key of the table, There are no anomalies of any form (insert, update, or delete), and finally there are no partial or multiple key dependencies.

View:

CREATE VIEW AgeGroup10to14 AS(

      SELECT teamNAME

      FROM teams T, ageDivision as AD

      WHERE T.aid = AD.aid

      AND AD.ages = '10 to 14'