

Sean Huban
Professor Labouseur
4/11/17

Lab 9: Normalization Three

Part 1: Identify and document all functional dependencies

Coach Table:

PID → Years

Person Table:

PID → FName, LName, PhoneNumber, Address

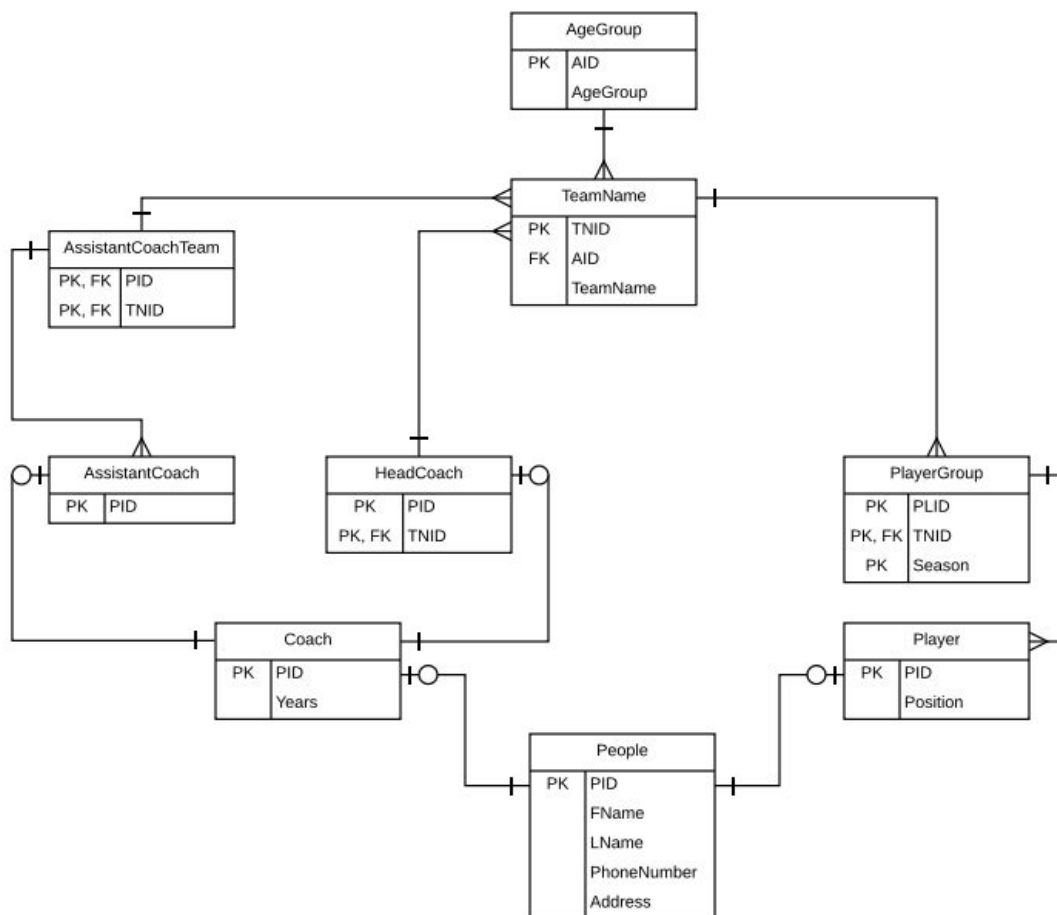
Player Table:

PID → Position

TeamName Table:

AID → AgeGroup

Part 2: E/R Diagram



Part 3: 3NF Convincing

The database that I have created is in 3rd Normal Form(3NF). In order for a database to be in proper 3NF, it must also be in proper 2NF as well as 1NF. This database satisfies both of these as it is formed in a structure similar to a tree, there are no partial key dependencies, all primary keys are unique, all unique columns and non keys depend on one primary key. There are also no commands such as update, insert, or delete that would cause discrepancies in the database.