Faith Matthew
Lab 9
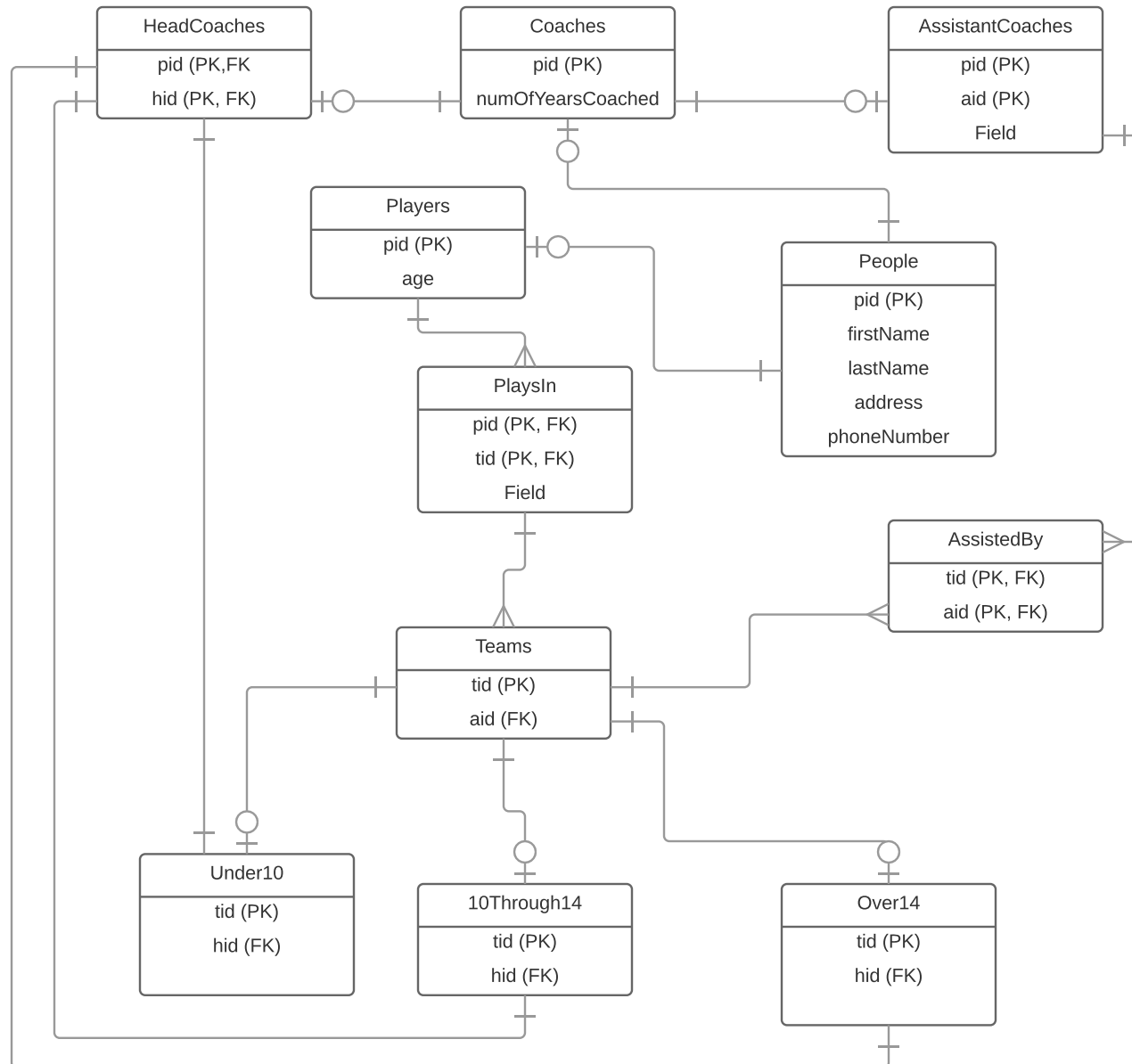
Functional Dependencies
pid --> firstName, lastName, address
tid--> aid, hid (not right, but its 2:30 am)
aid --> pid
hid--> pid

HeadCoaches
pid (PK,FK
hid (PK, FK)

Coaches
pid (PK)
numOfYearsCoached

AssistantCoaches
pid (PK)
aid (PK)
Field

This is probably completely wrong, but I tried. Since Head Coaches can only coach 1 team per age group, I decided to map a 1:1 relationship.

Do I really have to convince you this is in BCNF? I can't even convince myself, to be honest. Everything was alright until the coaches came.

Players
pid (PK)
age

People
pid (PK)
firstName
lastName
address
phoneNumber

PlaysIn
pid (PK, FK)
tid (PK, FK)
Field

AssistedBy
tid (PK, FK)
aid (PK, FK)

Teams
tid (PK)
aid (FK)

Under10
tid (PK)
hid (FK)

10Through14
tid (PK)
hid (FK)

Over14
tid (PK)
hid (FK)