

1. Identify and document all functional dependencies.

Tid -> AgeGroup, TeamName

Person.Pid -> Zip, FirstName, LastName, StreetAddress, PhoneNumber

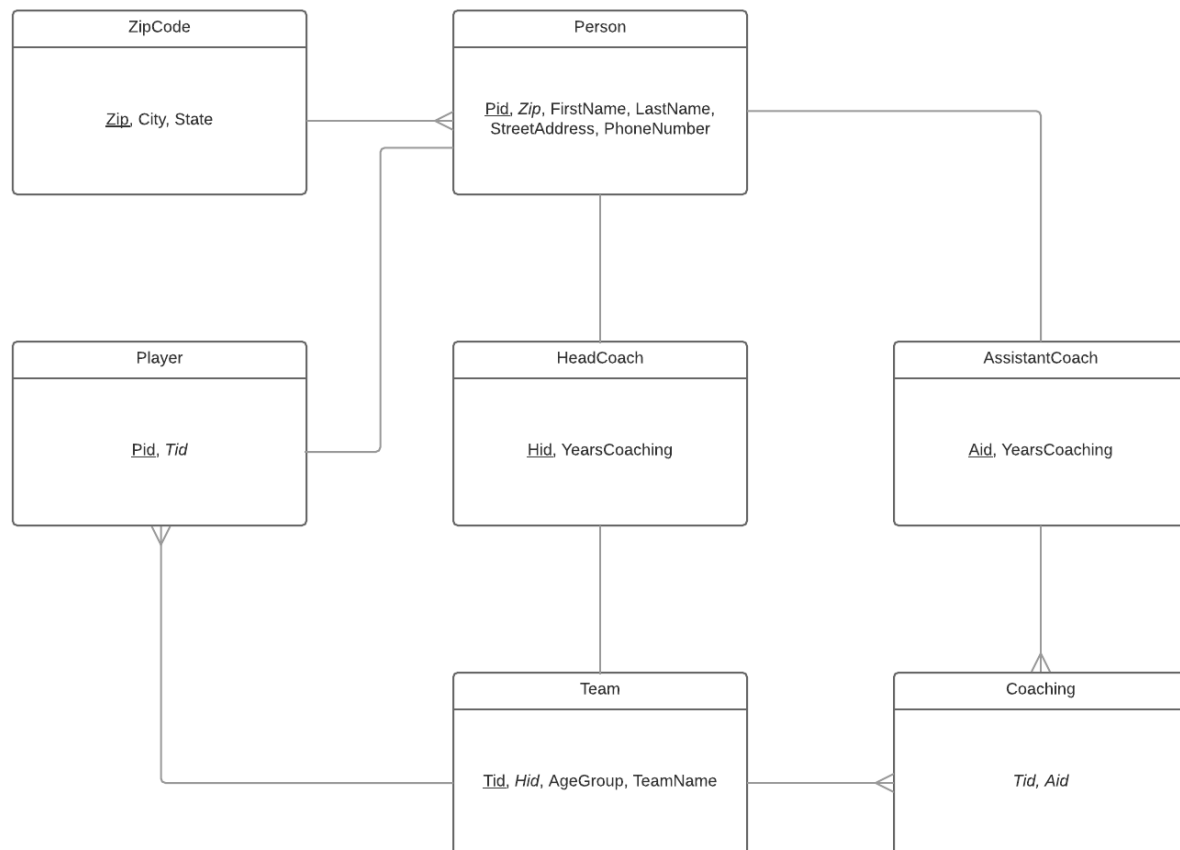
Player.Pid -> Tid

Hid -> YearsCoaching

Aid -> YearsCoaching

Zip -> City, State

2. Draw a fully annotated E/R diagram using LucidChart that illustrates the Platonic ideal of beautiful and correct relational database design.



3. Convince me that your database is in 3NF (or even better, in Boyce-Codd Normal Form).

My database is in first normal form as there are no multi valued attributes. It is in second normal form because of the previous statement and because every primary key is minimal. It is in third normal form because there are no transitive dependencies inside of a single table. Lastly it is in Boyce-Codd Normal Form because 3nf holds when applied to key attributes as well.