

Federica Bruno
308 Database Management
Alan Labouseur
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Lab 9: Normalization 3

1. Function Dependencies of the ERD:

People: $PID \rightarrow \text{First_Name, Last_Name, DOB, Address, Phone\#}$

Players: $PID_PLID \rightarrow TID$

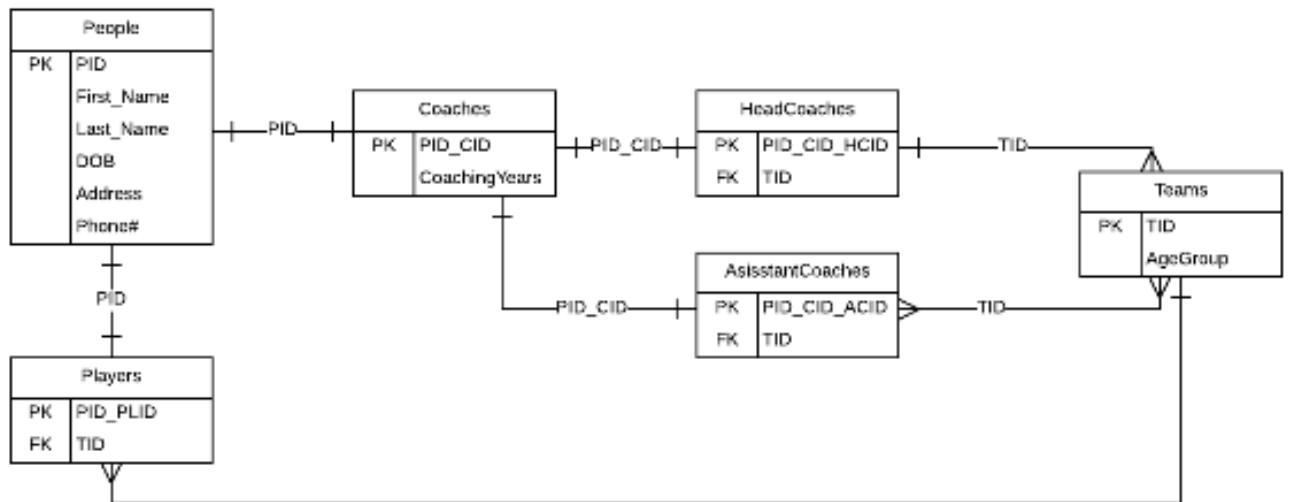
Coaches: $PID_CID \rightarrow TID, \text{CoachingYears}$

HeadCoaches: $PID_CID_HCID \rightarrow TID$

AssistantCoaches: $PID_CID_ACID \rightarrow TID$

Teams: $TID \rightarrow \text{AgeGroup}$

2. ERD:



3. The ERD is in 3NF because there are no transitive dependencies, and follows 1NF, which constitutes that all values must be atomic and follows 2NF, which constitutes that all values are dependent on their primary key.

