Lab 9

Normalization Part 3

Kelly Jones

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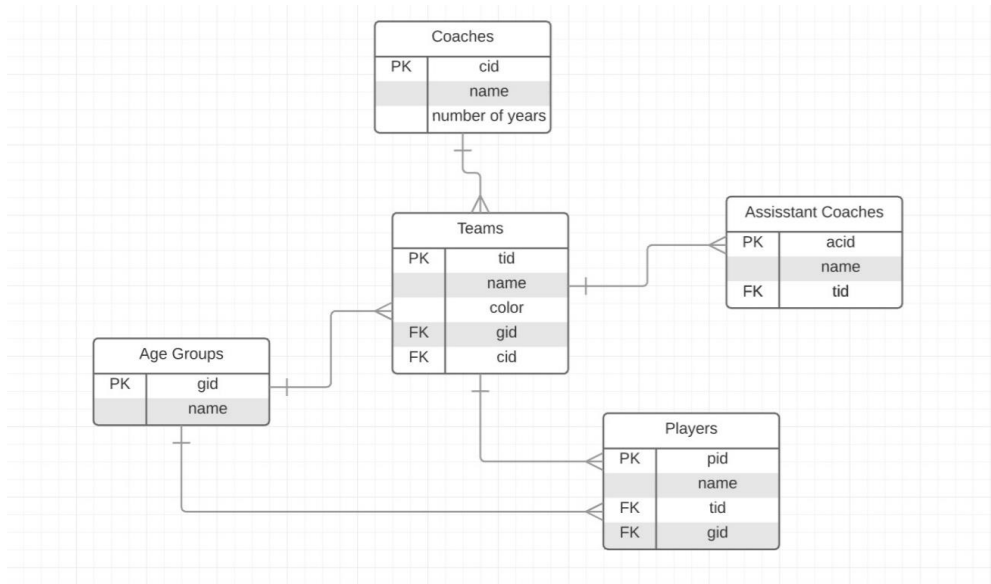


**Functional Dependencies:**

cID → name, numberOfYears

gID → name

tID → name, color, gID, cID

acid → name, tID

pID → name, tID, gID

**BCNF Proof:**

This table is in BCNF because it is in 1$^{st}$ normal form, meaning each column contains unique information, it is in 2$^{nd}$ normal form, meaning it doesn't have any partial dependencies, it is in 3$^{rd}$ normal form, meaning it doesn't have any multiple key dependencies, and finally it doesn't have any dependencies other than the primary key.