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Lab 9

3 leagues: -10, 10-14, 14+

Team: in 1 league, multiple players, 1HC, 1+AHC

All people: first+last name, address, phone numbers

Coaches - years coaching

Player - 1 team

Coaches - 1 team per league

Dependencies:

HID → fName, lName, phoneNum, address1, zip

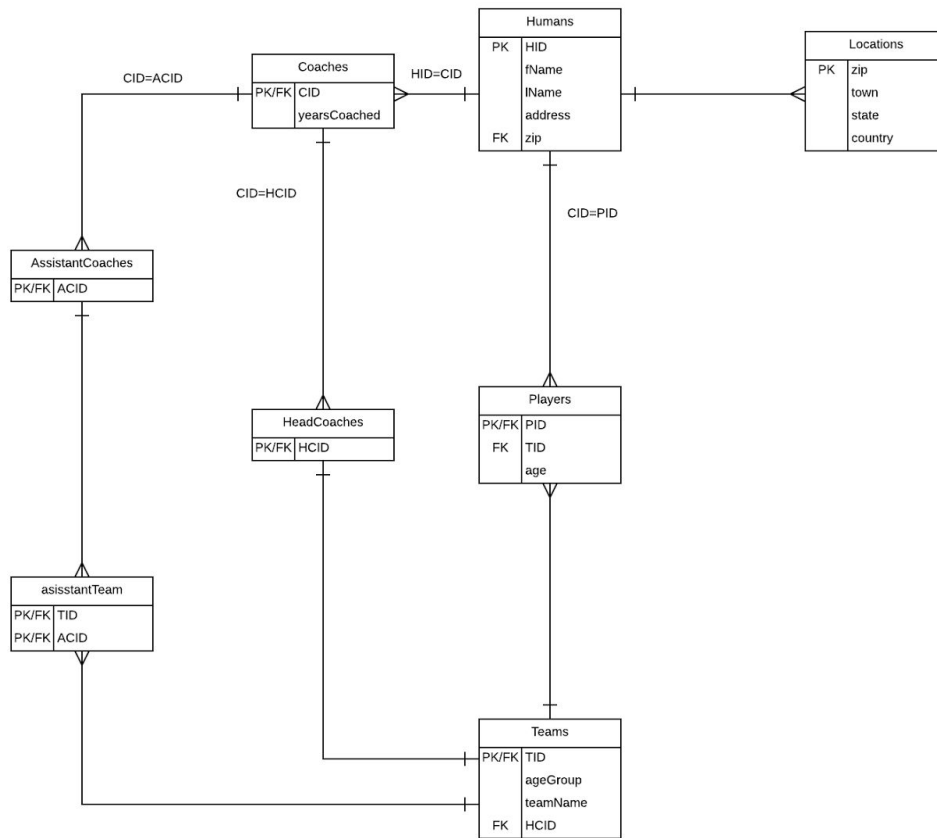
PID → teamName, age

CID → yearsCoached

zip → city, state, country

TID → teamName, ageGroup, HCID

ERD



Normal Forms:

Using check constraints in the creation statement I would enforce all rule the league imposes.

From there, each stage of the normal form is followed by this database. For 1NF, every piece of data must be atomic. That would have a key role in the check constraints, making sure each data column is created to contain the right data type. For 2NF, there are no partial key dependencies in the setup of the tables. For 3NF, more tables were created to be sure no tables had multikey dependencies.

Some dependencies to enforce these rules would include keeping players on only one team, making sure the coaching rules are properly followed, and addresses are entered properly.