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Database System B
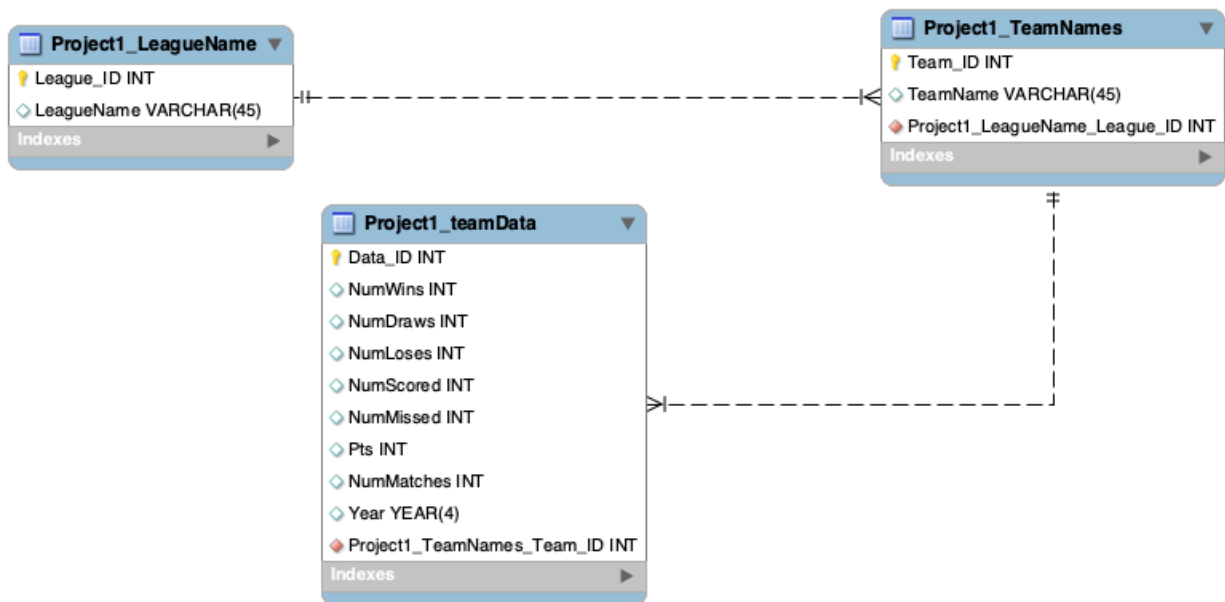Final Project
Link to the raw data:
https://www.kaggle.com/code/slehkyi/football-why-winners-win-and-losers-lose/notebook

It is the data of five years (2014, 2015, 2016, 2017, 2018) of six major European Football Leagues (Bundesliga [Germany], EPL [English Premier League - England], La Liga[Spain], Ligue 1[France], REPL[Russian Premier League - Russia], Serie A[Italy]). The data provides all the recode for all the teams in each league and their rankings.

PNG of the designed data model:

Description: I had two data set options for my project, Football (soccer) and UFC. These two are my favorite sports and I enjoy watching and playing (football) them. I ended up picking football because the data I found was enough big that I could work with it on the other hand UFC was not much. The five-year (2014, 2015, 2016, 2017, 2018) data could show the recoding of all the teams and it is interesting to see how they did.

What I did and what I learned?
- To start with, reviewing the whole process we did throughout the semester and going through some steps again and again helped me to remember all the steps again. I found out about a great website where I can find data "Kaggle". A great website that provides so many opportunities. Secondly, I relearned the whole process [how to create my mwb model? How to upload all my data with Python in my database? How to make visualizations with Metabase? And how to make a Metabase model for my data set.]
- One of the mistakes I made was not paying attention to spelling, I typed fast and did not notice that I spelled a word wrong and just that mistake took me a half day to solve. I learned to recheck my spelling!
- I made small mistakes with cursor.fetchone(), cursor.close(). I forgot to write them at one point but did not impact my process a lot because the code was not working at all because of the spelling error in my mwb.
- Following that, for the Metabase, the whole process was easy but time-consuming. But coming up with interesting questions was harder than I thought. Because while I was making visualizations I realized that my data set might not be accurate. Some of the numbers it was showing were not realistic. I learned to check my data before starting to work with it. But in my defense, it was the only complete and available data on the website. The rest of them were locked or not big enough.
- Lastly, I saved my work on Metabase but did not take any screenshots or download the required PDF, and I closed the tap. After going back to the Metabase website it was not allowing me in, so I tried to run the Java in the background again. The terminal was not accepting my command java -jar metabase.jar so, I tried all the different options that could help me. For a second I thought the problem might be the location of Metabase.jar folder. So, I copied it to another location and tried the new path. The http://localhost:3000/setup started working but it did not show all my work that I saved. "It was very scary", I thought that the work was not saved and I had to do it all over again. But thanks for telling me that the location took me to a new path. So, I restated my laptop and ran the original path. Luckily, it worked and I had all my data. It was because while working on a file with Metabase, it saves the files in the same location and we have to have the file and Metabase.jar in the same place.