

Logistics of a boxing championship

For the supervised assignment I have chosen the second option with the boxing championship. Here are some of the assumptions that I have made:

- championships have a starting date only
- phases of the championship can be:
 - qualification round, semi-final, final etc.
- all judges always give the same amount of points
- fouls have values like:
 - warning, kicking, none etc.
 - but all boxers are fair play -> nobody is disqualified
- the pointing system is taken from real world box:
 - 10 for the winner of the round and 9 or 8 for the boxer that lost
- the duration of a boxing match is adjusted to real world as well:
 - = max length of one round is ≤ 180 seconds
- there can be only one fight in an enclosure at a time
- every enclosure is divided into 4 zones around the boxing ring:
 - north, east, south and west zone
- a boxer can change the club only once in a year – at the beginning of each year
- the price of the ticket is the same for the same fight and enclosure + zone

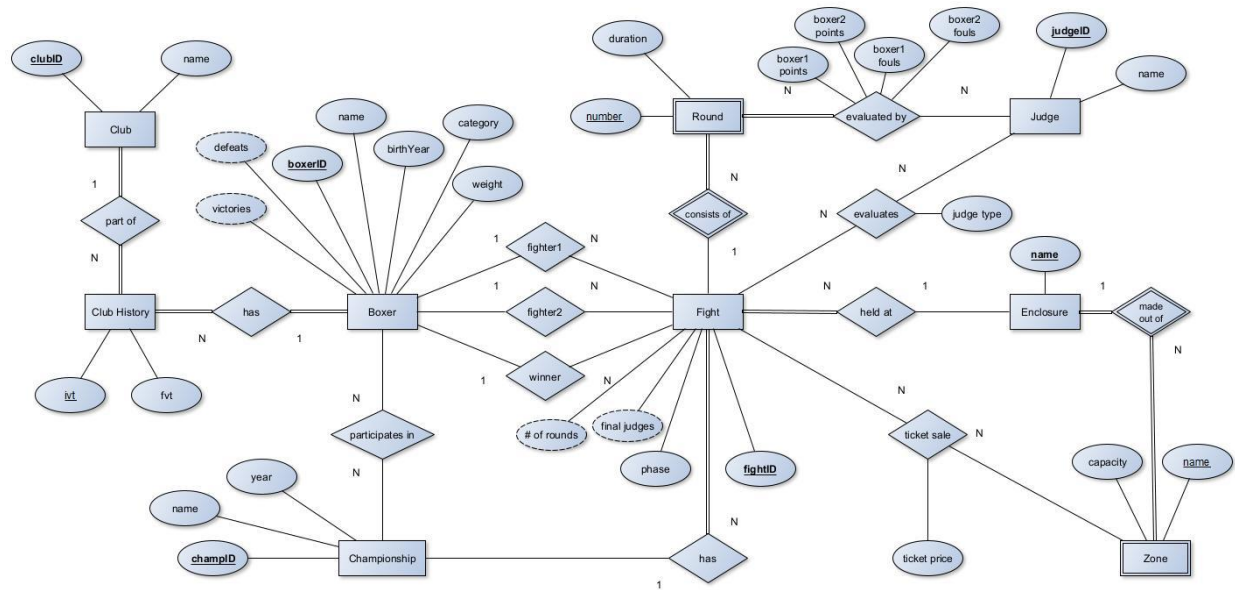
I think there is some redundancy: for example, in the table 'participation' it tells us which boxer participated in which championship. We could achieve the same by querying 'fight(champID)' and joining the tables 'boxer and fight'. But like this it is easier to write a query.

I had some problems working with Dbeaver so instead I used the following programs:

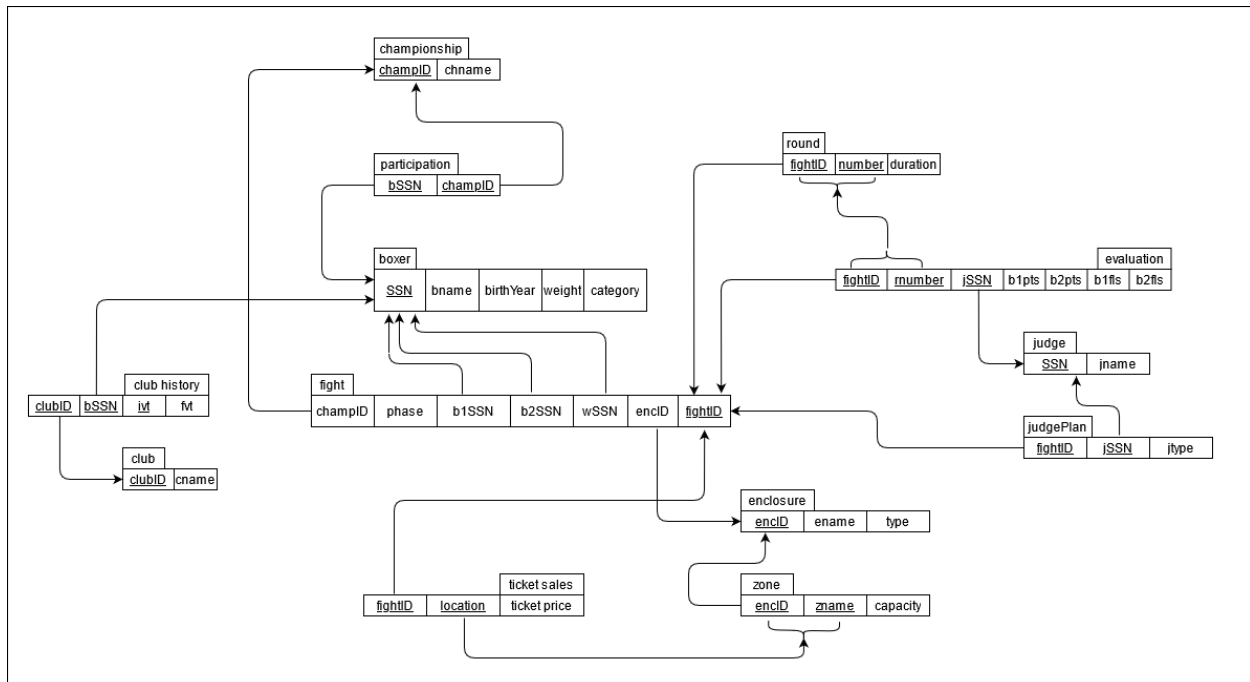
- MySQL and Visual Studio Code

Databases – supervised assignment

ER diagram



Relational schema



The ER diagram and the Relational model are also included in full size in the ZIP file.