DBMS
Assignment - 1 Report

TEAM ID : 8
TOPIC : OLYMPIC DATABASE

TEAM MEMBERS:

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Problem Statement:

We want to design and implement a database for storing the information of all competitors and their participation in the Olympic Games held over the past years.

A competitor has an competitor ID, name, gender, country, birth date and can have coach

Each Olympiad has the year, a season (summer or winter), the country where it took place, and the city.
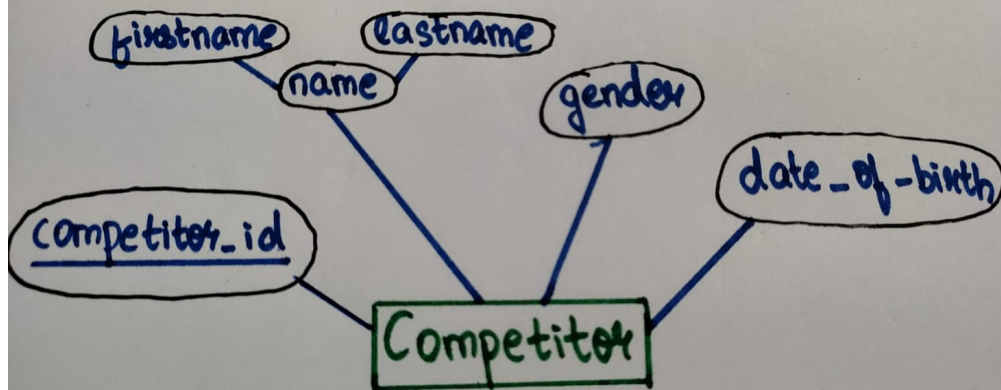
Every competitor in the database participates in at least one Olympiad. A competitor can participate in several events in one Olympiad and can, in fact, participate in more than one Olympiad.

An event has an event name, location, and scheduled time and date, which athletes were scheduled to compete in which events and how they placed, and who the winner(s) of the event was (e.g., what kind of medal they were awarded). Null values are used for winners and placings until the event has been held.
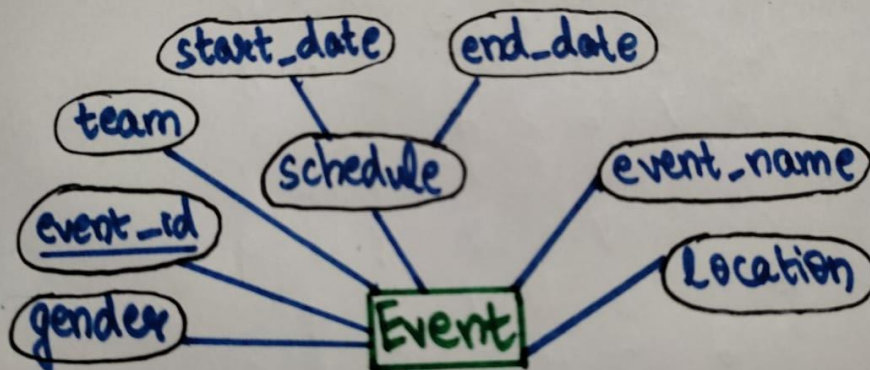
Events in the Olympics may be either individual or team events. If it is a team event, we wish to know who the members of each team were.
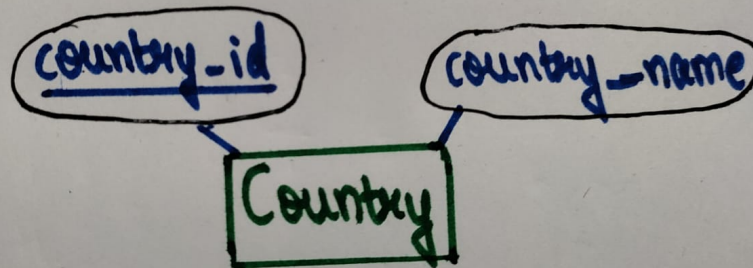
Hand-drawn Entity Snapshots:
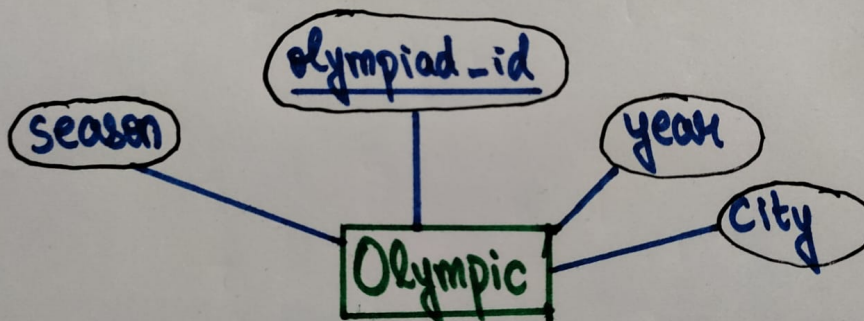

Competitor Entity:-

firstname   lastname
        name
                    gender
                            date-of-birth
competitor_id
                    Competitor

Event Entity:-

            start_date   end_date
    team
            schedule   event_name
    event_id
                                    Location
    gender   Event

Country Entity :-

(country_id)   (country_name)

[Country]

Olympic Entity :-

(olympiad_id)

(season)   (year)

(city)

[Olympic]

Category Entity :-

```
category_id          category-name
          \            /
        [ Category ]
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Medal Entity :-

```
   medal_id          medal-name
        \             /
        [ Medal ]
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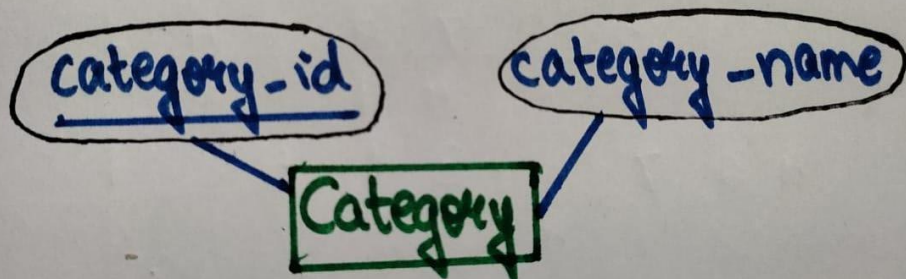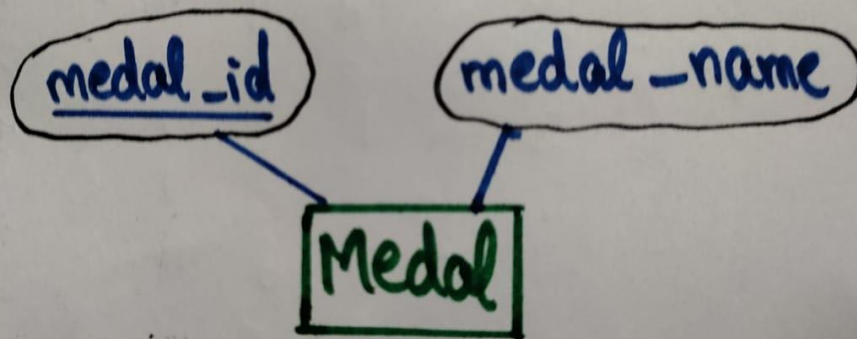
ER Tool Used:

We used app.diagrams, an open source online app to make our ER diagram.

We decided to use it for the following advantages:
- Easily produces good quality diagrams
- Has a rich set of predefined shapes for all sorts of different diagramming needs
- Allows grouping of shapes
- Smart connectors
- Integrates with Google Drive
- Conveniently exports to a variety of formats
- Allows for collaborative development of diagrams

Reference Link: https://www.diagrams.net/

Final ER Diagram:
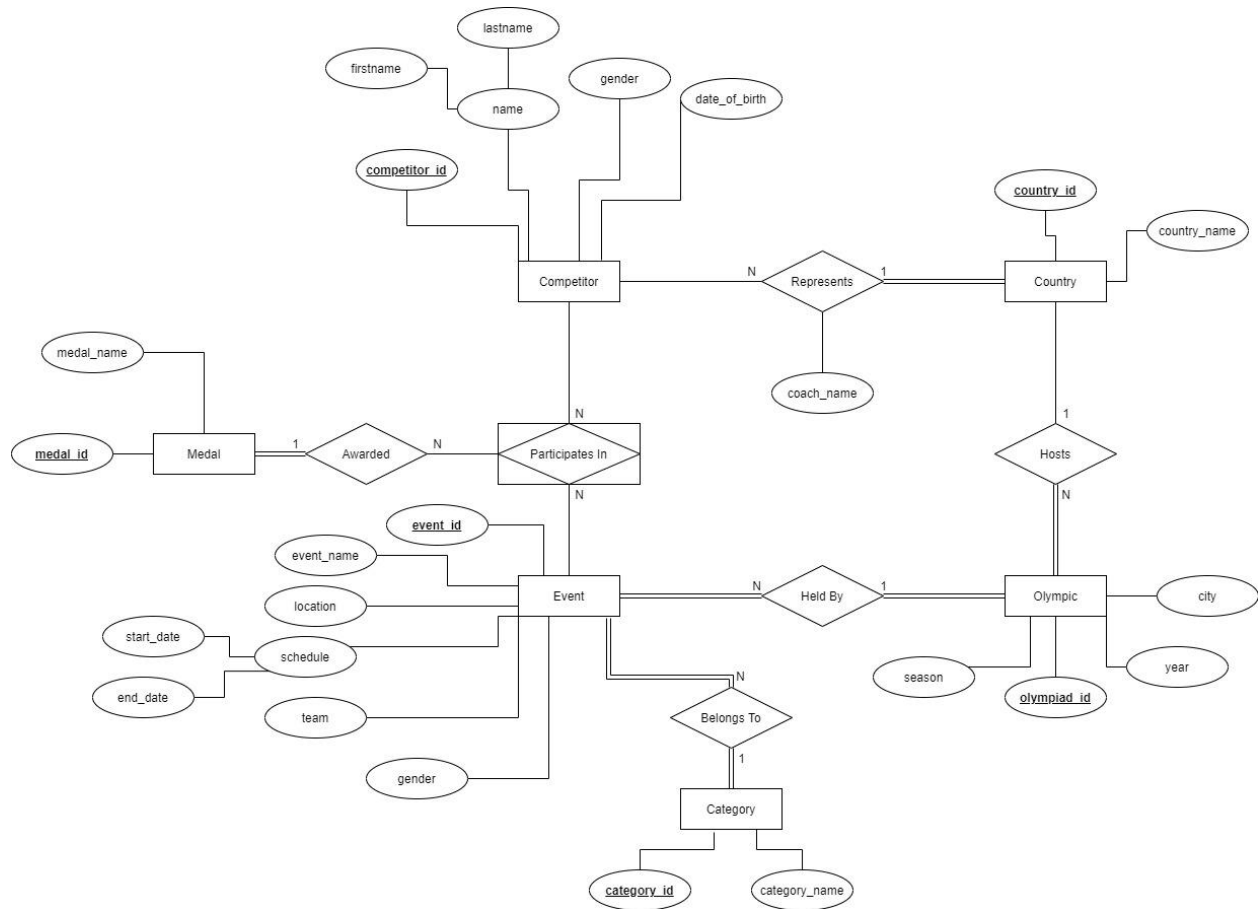
Contributions:

Pranav Rajnish : Problem Discussion, ER diagram soft copy.
Hours Spent : 5

Prajwal Kamath K : Problem Discussion,ER diagram handwritten Snapshots
Hours Spent : 4

Raghavendra L :Problem Discussion,Helping in ER diagram
Hours Spent : 3.5