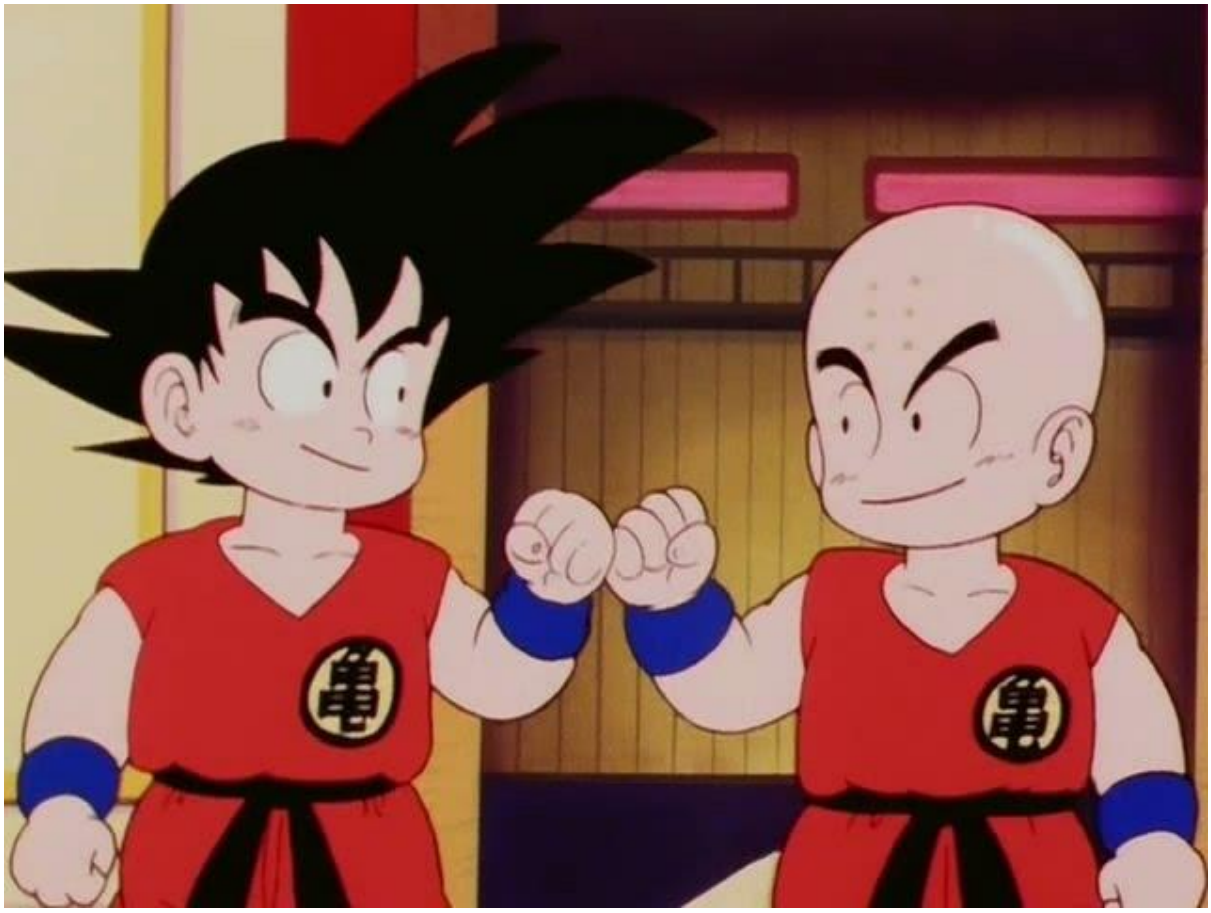
MARTIAL ARTS TOURNAMENT

BILINGUAL DATA BASES

EXERCISE MADE BY AITOR CARREÑO, ADRIAN MARTÍNEZ, ROBERTO GUTIÉRREZ AND NICOLAE GINU



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EXERCISE EXPLANATION

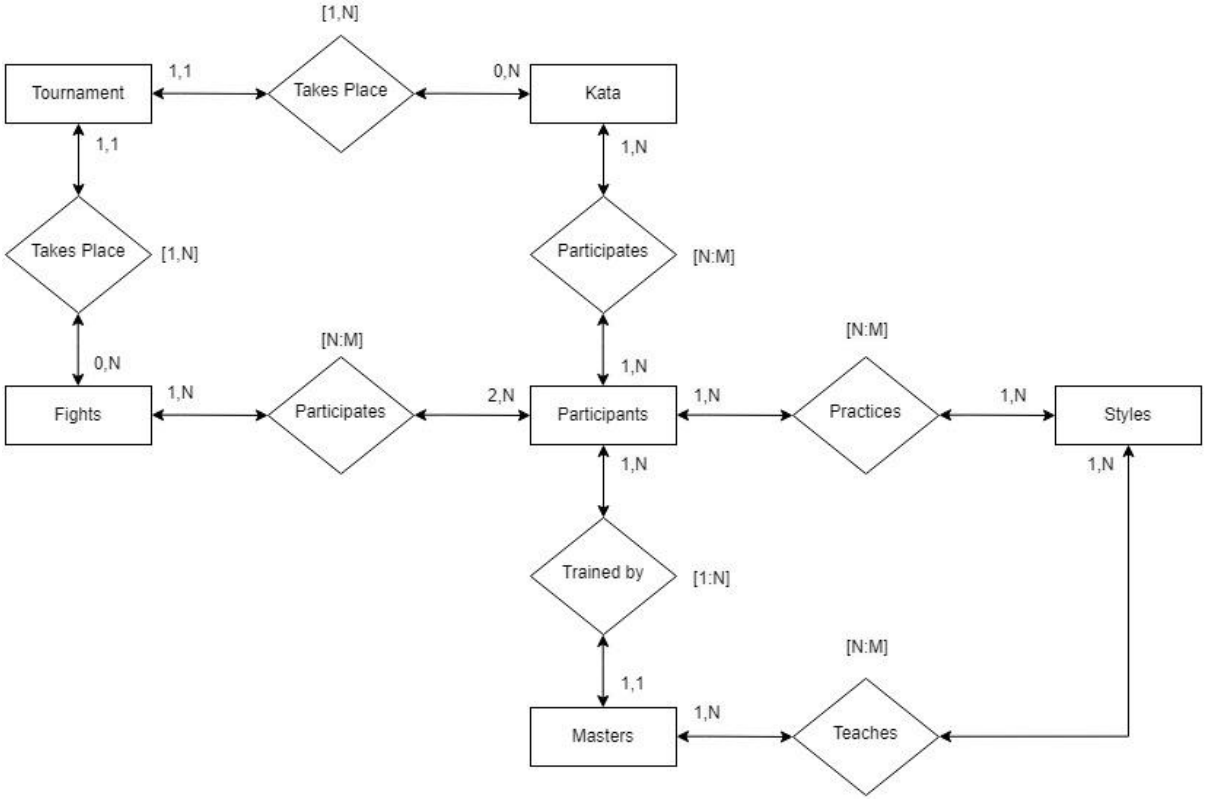
We have created a database about a martial arts tournament on which there are two main events, Kata exhibitions and fights. Participants take part in these events and are related to their own style of martial arts and the masters that teach them those styles.

ER DIAGRAM

As we can see on this diagram we have two distinct parts, the tournament and the participants.

We agreed that these are the cardinalities of our exercise, to every event, either exhibition or fight, there is only one tournament, there could be more than one tournament, but the events are exclusive to each new tournament.

Participants are related to four other entities as they take part in the events, they practice styles, and those styles are taught by masters. On the one hand the participants can participate on both events, the minimum of participants of the fighting event being two as there would be no fight without at least two of them. Many participants can take part in many events. One participant could practice more than one style, but we can assume that every participant has one master of each style.



These are the attributes of our entities.

	Atributes	Type
Tournament	ID_Tournament	TINY INT
	Name	VARCHAR
	Location	VARCHAR
	Date	DATE
	Num_Participants	SMALL INT

	Atributes	Type
Kata	ID_Kata	TINY INT
	ID_Participant	SMALL INT
	ID_Tournament	TINY INT
	Time	TIME

	Atributes	Type
Fights	ID_FIGHT	TINY INT
	ID_Participant_1	SMALL INT
	ID_Participant_2	SMALL INT
	ID_Tournament	TINY INT
	Time	TIME

	Primary Key
	Foreign Key

	Atributes	Type
Participant	ID_Participant	SMALL INT
	Name	STRING
	Surname	STRING
	ID_Master	TINY INT
	ID_Style	TINY INT

	Atributes	Type
Masters	ID_Master	SMALL INT
	Name	STRING
	Surname	STRING
	ID_Style	TINY INT

	Atributes	Type
Style	ID_Style	TINY INT
	Name	STRING
	Num_Techniques	TINY INT
	Origin	VARCHAR

RELATIONAL MODEL

Tournament (id_tournament, name, location, date, num_participants,)

Kata (id_kata, time, id_tournament, id_participants)

Fights (id_fights, time, id_participant_1, id_participant_2 ,
id_tournament)

Participates (id_fights, id_participants)

Participates (id_kata, id_participants)

Participants (id_parcitipants, name, surname, id_master ,id_style)

Masters (id_masters, name, surname, id_styles)

Styles (id_styles, name, num_techniques, origin)

CREATION ON PHPMYADMIN

This image represents the visual part of the creation of the database on phpMyAdmin