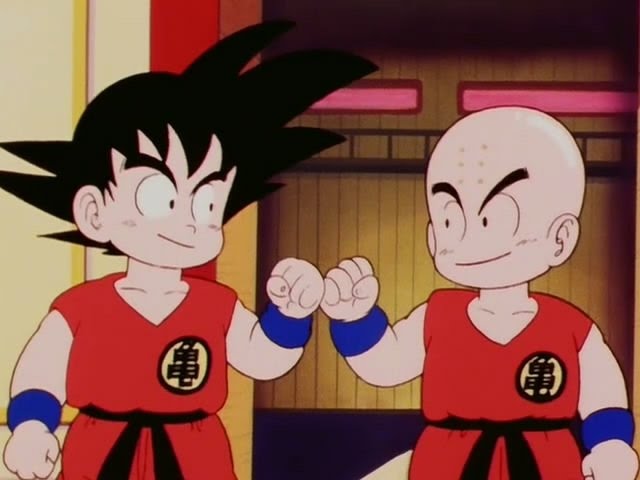
Martial Arts Tournament

# Bilingual Data bases

## Exercise made by Aitor Carreño, Adrian Martínez, Roberto Gutiérrez and Nicolae Ginu



### INDEX

* Exercise Explanation
* ER Diagram
* Relational Model
* Creation of the Data Base on phpMyAdmin

### 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.

Diagrama

Descripción generada automáticamente

These are the attributes of our entities.

Interfaz de usuario gráfica, Aplicación, Tabla, Excel

Descripción generada automáticamente

### 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

