USERS

1

M

M

1

M

1

DRINKS & FOOD

DISCOUNTS

CLASSES

FACILITIES

SUBSCRIPTION

1

M

M

1

M

1

GYM

ID, Location, Post Code, Address

**NOTES ABOUT THIS DIAGRAM**

-This diagram contains in each box each tab defined in the spreadsheet (Gym locations, subscriptions, classes, discounts, facilities, drinks& food).

Note: In the tab “facilities”, I’ve added the column “Drinks & Food” to link this tab to the next tab called “drinks & food”, as I though that Drinks and food could be considered a facility in a gym as well.

-Each box has an arrow going to another box, specifying 1 or M.

1: one choice

M: multiple choices

For example,

* GYM-CLASSES: one gym can have multiple classes, but each class is associated to one specific gym.
* GYM-SUSCRIPTION: one gym can have multiple subscriptions, but subscriptions are linked to one specific gym.
* GYM-DISCOUNTS: one gym can have multiple discounts, but discounts are linked to one gym
* GYM-FACILITIES: Each gym can have multiple facilities, but facilities are linked to one gym
* FACILITIES-DRINKS & FOOD: facilities in a gym can have several areas of drinks and food, but then each area of drink and food is associate to one facility.

**NOTES ABOUT THE SPREADSHEET**

I’ve created a new table underneath Tash’s tables. Each table has the name of the tab (green color). I’ve done this for each tab of the spreadsheet (gym, subscriptions, classes, discounts, facilities and drinks&food)

Each table includes 4 columns, the ID of the table, type, primary key and foreign key.

For example, for the tab GYM LOCATIONS:

-GYM ID (because this is the entity). The type is INT (integer) because the ID in Tash table is 1, 2, 3, 4, 5…. (Int for integer, Varchar is for numbers and words, decimal for decimal numbers)

It’s the **primary key** because is the entity in the table and it doesn’t have any foreign relation.

-Below GYM ID I’ve added all the columns Tash created for the gym (location, postcode, address)

I’ve added **GYM’s name** in the table, as I thought we should need it because we are describing different gyms.

for the tab SUBSCRIPTIONS:

-SUBSCRIPTION ID (because this is the entity). The type is INT (integer) because the ID in Tash table is 1, 2, 3, 4, 5…. And the it’s a **primary key**

-The following element in the table is GYM ID because this has been defined in the diagram (Relation 1 to M). So, here there is a **foreign key** and it is displaying YES. If the gym selected by the user was deleted, then this information would be updated in subscriptions and subscriptions wouldn’t be displayed.

-After GYM ID, I’ve added in the table all Tash’s columns, defining type, primary key and foreign key.

for the tab DRINKS&FOOD:

-In this case, the foreign key is FACILITY ID, as it has been defined this way in the diagram.