We are designing a sports center’s database. We are collecting customers’, trainers’, dietitians’, machines’, room numbers’, lockers’ information. We are collecting customers’ ID number, name, surname, sex than we are providing a lot of things to the customers. Such as trainers that will help them about the exercises they need according to their body types. We also provide them dietitians; they figure out what the customers’ body type is. Customers have lockers to put their belongings. Besides, we maintain the machines’ conditions steadily so our customers can take advantage of every machine.

We have 6 entities. They are Customer, Trainer, Dietitian, Room, Locker and Machine. The information they store can be found below:

Customer’s attributes are: ID Number, Name, Last Name, Sex, Address, Phone Number, Height, Weight and Goal.

Trainer’s attributes are: Trainer ID, Name, Surname, Salary, Professionality, Phone Number, Workweek, Sex

Dietitian’s attributes are: Dietitian ID, Name, Surname, Phone Number, Sex and Salary

Room’s attributes are: Room Number, Floor and Room Type

Locker’s attributes are: Locker Number, Capacity and Last Use

Machine’s attributes are: Serial Number and Last Maintenance.

Primary Keys:

-We identified customers, trainers and dietitians by their ID numbers since it’s a unique number for all.

-Machines should be stored by serial numbers.

-lockers are stored in the system by locker ID.

-Room Number includes the information about which floor the rooms are.

Relations:

-Group lessons are connecting customers and trainers by their IDs. It includes Pilates, spinning and yoga hours.

-Diet List is connecting dietitian and customer via Customer’s ID and Dietitian ID. It also stores information about customers’ Body Type and Calories Burned

-Relaxing is connecting Customers and rooms by customer ID and room number. With this, customers have access to sauna, spa and hammam.

-Program advice connects Customer ID and Trainer ID. It contains day and hour information of the program that is planning.

-Exercise connects Customer and Machine by Customer ID and Serial Number. It contains Body Part that customer wants to work on in their body part.

-Use is connecting the customer with the locker they will use via Customer ID and Locker ID.

-Score is connecting customers and trainers by their IDs. It provides us to take a score for trainers from our customers.