Gym

A local gym has asked you to build a piece of software to help them to manage memberships, and register members for classes.

MVP

* The app should allow the gym to create and edit Members
* The app should allow the gym to create and edit Classes
* The app should allow the gym to book members on specific classes
* The app should show a list of all upcoming classes
* The app should show all members that are booked in for a particular class

Inspired By

* Glofox, Pike13

Possible Extensions

* Classes could have a maximum capacity, and users can only be added while there is space remaining.
* The gym could be able to give its members Premium or Standard membership. Standard members can only be signed up for classes during off-peak hours.
* The Gym could mark members and classes as active/deactivated. Deactivated members/classes will not appear when creating bookings.

**STRUCTURE**

* There is a gym
* Customers:
  + Can access many classes
  + id
  + name
  + (membership type)
  + (membership status)
* Gym Classes:
  + Can be accessed by many customers
  + id
  + name (XL STRENGTH, catchy names)
  + type (strength, extreme, Olympic..)
  + date
  + Start time
  + Duration or End time
  + (repeats)
  + (instructor)
* The Customers and Classes DB will be Joined as we have a Many to Many relationship
  + name = bookings
  + customer\_id
  + class\_id
  + (date of class) -> incase we want to limit some users to one class a day, some other parameters for so many sessions per month

**Still To Do:**

1. Wireframe diagrams
2. All CSS
3. Customer DB
   1. New
   2. Update
   3. Delete
4. Session DB
   1. New
   2. Delete
5. Booking DB
   1. New
   2. (delete)
   3. (update)
6. Update and complete diagrams
7. Evidence on testing

**Extensions:**

1. Customer Class
   1. Membership level
   2. Membership status
   3. Number of sessions had this month
2. Session Class
   1. Maximum capacity
3. Rooms
   1. Can add another DB of rooms
   2. Each session is assigned to a room
   3. Each room and each session has a capacity