**Project Selected:** Gym Management System

**Description:**

**Classes**

Gym Management (Class: Gym)

* Manage Core Systems Components: The Gym class will oversee and manage the entire system. It will display the main menu for the rest of the classes and menu options. The options that will include members to log in, staff to login, payments to go through, and checking inventory of products or equipment.

Member (Class: Member): Gym customers who have membership. Each member will have an assign membership Id and membership Type next to their names, that staff can see. The ID can be used to help search for members easily if they have the same name and such. If members have access to booking a class, they should be given the option to book a class or cancel for one. Removing them from the list of participants in that class time.

Staff (Class: Staff): This represents all employees at the Facility. Where an array of employees is listed to the user, where they can add/remove staff. They can also view the members list as well as adding/removing them. Changing Schedule Times, such as the Class Time and Staff Hours.

Class (Class: Class): This represents the different classes that will take place at the gym at different times, like yoga classes, Zumba classes, cycling classes, etc. This can link to the Schedule Class, where members can book for a class, they want.

Equipment or Inventory (Class: Inventory): Inventory for a list products and supplements that customer can purchase. Menu options to add more into inventory. Menu to be able to check the current quantity of items. Items like protein powder, creatine, mass gainer, preworkout, and protein bars to be sold.

Membership: The membership menu will allow the customer to choose between a small selection of memberships, with different prices. With Basic Membership, it allows members to just access the gym area. The Next Tier will give them access to the Classes Selection menu, where they can book a class (Yoga, Zumba, etc.), they can also access another area, like a resting area, that has massage chairs, etc. The members will also be given an option to either upgrade, cancel, or renew their membership.

Facility: This is the Gym Area and the Resting Area (I don’t know the exact term for this, or if this is good enough) Gym Area is where the main lobby would be at, provided with different equipment’s for members to use, ranging from weights to treadmills. The Resting Area is where members who have access to this area can go to relax. (unsure what else area we want to add) Another area will be where the Classes will take place.

Payment: The payment menu will give the customer variety of options on how they want to pay for their memberships. Members can either pay with Card (Debit or Credit). To be honest I am sure if you can pay with cash at the gym, I never tried – “My Gym allows cash to be put into envelopes and in a locked box.” (Gio)

Schedule: This Class will be connected with the Staff and Class, as it will have two lists. Once list will represent the Staff hours/time when they work. The other will list any Class that is happening at the gym for members to participate in.