* A short description of the final project, and what it accomplished

Our project is implementing a Recreational Facilities Management Software. Our database models a gym membership system, including items such as a member’s info (phone number, address, plans, payment methods), classes that members can take, facilities that classes are held in, equipment that is in each facility, and information about the cleaners of each facility. Additionally the software provides information about the time, location (room and facility), the instructor and a description of each class. Members can view and edit their billing information, as well as update contact information and sign up for classes. They will also be able to view the status of the classes, and give ratings to instructors based on their performance.

* A description of how your final schema differed from the schema you turned in.  If the final schema differed, why? (Note that turning in a final schema that's different from what you planned is fine, we just want to know what changed and why.)

Based on the feedback we received from milestone 2, we went ahead and made the following adjustments to the schema:

1. We added a description attribute to the *facility* table which provides a short description about when each facility was established and the classes that are offered in that facility.
2. We renamed ‘title’ to ‘sType’ in the *status* entity, to represent the status type which can be one of: Bronze, Silver, Gold, Platinum, Student, Senior, and Low-Income.
3. We added a new entity named *classT(title, description, type)* which has a foreign key of type referring to *classType(title)* and provides the title and the description for each class type offered.
4. We added a new entity named *Room(RID,FID)* which entails information about the facility and the room a certain class is held in. Following this addition, we added RID as an attribute to several other tables such as the class *entity*, and *canHave* and *Takes* relationships.
5. We removed PID from *CreditCard* and *PAPAccount* tables, and added a new table *payment(PID, frequency, creditCardNumber, accountNumber)* with ‘creditCardNumber’ and ‘accountNumber’ being the foreign keys that correspond to the primary keys of each payment.
6. An important adjustment was also made to the *member* table, in which we added attributes ‘login’, ‘password’ and ‘email’, and removed ‘driversLicenseNumber’. We made this decision based on ‘email’ being an essential method of communication while storing the ‘DRL’ wouldn’t be as essential.
7. We added two relationship *cleans(FID, staffID)* which helps keep track of which cleaning staff members cleaned which facilities, and *provides(FID, serialNum)* that provides info on what equipment is offered at each facility.
8. Another point worth mentioning is that the capacity of a class filled and a member’s status is what determines what color classes appear as for members.