Membership management for a recreational club

Product/Sprint Backlog Items

Requirement	Story	Initial Priority	Engineering Task	Effort / Risk Estimate	Sprint Details
Keep track of finances for the club	The *administrator's* account should track all the finances for the club by listing all incoming payments and expenses. Compute the final balance by adding the *member's* payment and subtracting expenses (renting the hall and paying the coach). All of this information should be accessible on one screen.	High	Create different levels of users implementing a member account and an administrator account. The administrator account has view of the members activities and can remove members. Create a database of users with their usernames and encrypted passwords. Add a policy that only permits strong passwords. Development team should create a database that collects all incoming and outgoing payments in the club.	10 hours +/- 3 hours	Initial Sprint An admin login was the first story to be completed in order to ensure that only the admins have access to the whole club's finances. Sprint team created a database to store user login information as well as all of the payment information. The development team finished this in a reasonable amount of time and then moves forward to the task of

			Can use a non relational database due to low user base.		tracking finances of each member.
Keep track of finances for each member (make sure they can't sneak out)	The *administrator's* account should keep track of *members* with classes they have attended and have not paid for. The admins can see the status of the member's account which will either be "paid" / "no" with the default value set to "no". Upon receiving payments, the admins can change the status into "paid" by clicking on a button.	High	When a member attends a class and does not pay it is reflected on the member's account and this information is also sent to the database. The administrator should be able to query member's account with classes they have attended and have not paid for.	6 hours +/- 2 hours	The information of each member is sent to the existing database. An administrator's login is also created to make sure the admins can see which members have not paid for the practice they attended The development team finished this in a reasonable amount of time and moves forward to the task of sending reminders to the members about upcoming practices.
Send reminders to members about upcoming practices (regular or necessary ones)	The *member's* account should be able to receive notification about upcoming practices to make sure they don't forget coming to practices especially to the important ones.	Medium	A notification system should be implemented that notifies members regarding upcoming practices a day before they occur.	2 hours +/- 1 hours	A notification system is created to notify the members about their upcoming practices.

			The ad hoc practices should be red and bolded.		The development team completed this within a short amount of time.
Give discount to those who pay lump sum before the class	*User* should be able to see a separate option/button in GUI to pay early and should display a discounted price.	Low → Medium	Implement two different levels of payment types. One is ten dollars per class and the other is a month long membership at a discounted rate.	1 hour +/- 30 mins	A separate field in the database stores which users have paid early to receive the discount. The development team completed this within a short amount of time.
Threaten those a bit too casual with payments	The *member's* account should receive notifications when there are classes that they attended and have not paid for. The *administrator's* account should be notified when these payments are not handled within a reasonable amount of time and take further account upon that.	Low	The notification system should implement a notification that is sent to members with outstanding payments to remind them that it is unpaid. The notification system should also implement notifications that is sent to administrators so that they can take further action (removing from club) on members at their will.	2 hours +/- 1 hour	The notification system is updated to send alerts to members who have outstanding payments as well as alert the administrators of those members. The development team completed this within a reasonable amount of time. There were no more items to complete.