

## 1. Project topic MEM: Recreation Club Membership

The context of this project is a small amateur club (think salsa dancing or something like that) with couple of dozen members. Club meets once a week for practice, and they are coached by an amateur coach. Members are free to show up (or not) every time. When they show up, they should pay for each practice, say, \$10, but they may also pay for up to one month in advance; some discount may be given if so desired. Once a month, the treasurer pays the rent for the hall in which the club meets, and the coach should be paid monthly or biweekly, but only for the practices that she has attended (she has a full-time job which sometimes requires her to be unavailable for the practice). The app should keep track of finances for the club, and for each member, as they sometimes show up for practice but manage to sneak out without paying. It may also send reminders to members about forthcoming practices, both regular and ad hoc ones, and threaten those who are a bit too casual with their payments.

### Revised Product Backlog

Requirement					
Story	Initial Priority	Task	Estimate (Story Points)	Actual Time (Story Points)	Status

Track Club Finances					
Treasurer needs to be able to see the club's current profit	MED	Create the income statement and add the revenue portion (members payments, any other income that may come)			
		Add the expense portion to the income statement (coach's payments, hall expenses, any other expenses)			
		Create a list for the year, logging each month's profit to compare changes in revenue/expenses in order to find ways to maximize profit			

Treasurer needs a log of any unpaid debt from previous months (i.e. any months the rent for the hall was not paid, or not fully paid, and unpaid coach expenses)	HIGH	Create a list to log the total amount of unpaid coach expenses and hall expenses for each month, prioritizing the urgency for payment			
Treasurer needs the current month's account payables (e.g. members who have paid in advance)	MED	For efficiency, this can be listed in the income statement under revenues. Since there is no mention of a return policy, this can be counted as a revenue as soon as the transaction is completed.			


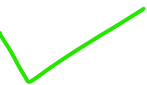
Log and sort members					
Keep a log of the members	MED	Create a list of the members who have attended the class, and those who will be attending the class Each member will have their name, phone number, whether they paid or not, and address			
Sort the members by their frequency of attendance in the club. Provide a discount based on amount of practices attended.	LOW	Using the list of members, organize the members by the amount of times they have attended practice at the club			
		Based on the frequency level, the member will have a loyalty discount. The top 10 people on the list of most practices attended will receive a complimentary discount of %10 off for one class. This will help ensure member retention			

Sort the members by whether they have paid or not. Provide a discount or charge based on amount of unpaid/paid classes	HIGH	Using the list of members, organize the members by the amount of times they paid/not paid			
		If the member has not paid more than once, then he will be subject to a penalty fee and possibly exclusion from the group. A reminder will be sent for any member who has skipped at least one payment.			
		If the member does not skip a payment for 3 months, he will receive a complimentary discount for 10% off for one class.			

User interaction with application					
1/2 ✓ The coach should be able to communicate to the members about future practices	HIGH	Create a user interface where a message can be sent out to all or some members, with details of future practices or changes to any practices. A reminder message can also be sent out for a member who has skipped a payment			
✓ The treasurer should be able to manage coach list and schedule. The coach should be able to manage the members list (i.e. adding or removing)	MED	Create user interfaces for different character to modify the list of participants. And the corresponding character will receive notification upon changes.	need to do		

~~need to do~~

member gets email upon removal



Members need to be able to schedule and pay for the practice within the app.	MED	Create user interface of payment methods or link to a third party payment method. Treasurer and coach should receive notification of the scheduled practice and received payment with user id, class amount and relative coach			
New members should be able to create an account	HIGH	Create an interface that allows new members to register an account to partake in club activities			
Members of the club should be able to log into the application	HIGH	Create an interface that allows the members to log into the application and be directed to a UI that corresponds to their role in the club			