

Product Name: **LMSA Beyond**

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CSCE 431 – Software Engineering  
Spring 2022

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## 1 Project Scope

### SECTION 1: PROJECT SUMMARY, DELIVERABLES, AND SCOPE EXCLUSION

#### Project Summary

This project aims to organize and simplify LMSA's internal processes for its members and events. As tracking members and their points has grown more and more difficult to properly maintain as the organization has continued to expand to over 200 members. It has also become difficult to make sure all members have received important organization information and event notifications.

#### Deliverables

Deliverable Number	Description
1	<b>User Accounts:</b> Be able to track member/admin personal information and store relevant app-generated data and information. Allow admins to moderate users and make necessary changes.
2	<b>Event Management:</b> Be able to create, update, and delete events that Admins wish to host for the organization.
3	<b>Event Attendance:</b> Be able to allow users to RSVP for events they would like to attend ahead of time. Allow Admins the option to decide the sign-in time. And allow for users to check-in for events they are in the moment attending. And if possible include geofencing.
4	<b>Member requirements:</b> Be able to track and notify admins which members/users aren't fulfilling their active member requirements. Also to remind members/users on which requirements are remaining or completed (or notify them of their perks).
5	<b>Point Tracking:</b> Allow for user/member actions (like event sign-in's) to accrue and track points. Also allow admins to view/modify a user's points
6	<b>Point Leaderboard:</b> Be able to produce a leaderboard/ranking of all the user's accrued points and compare to other users. Also to allow notifications of the top earners (like top 5) of when they gained the rank, if

	they're close to losing their rank, close to gaining a new rank, and etc.
7	<b>Point Information:</b> Provide a small summary of how users are able to accrue points and any necessary technological explanations
8	<b>Point Rewards:</b> Allow a system where users can redeem their points on a variety of prizes and track how much of the points have already been spent.
9	<b>Point Continuation:</b> Allow for importing of the current point totals and export current points to a spreadsheet. Also allow for admins to view statistics of points (eg. how many earned this week)
10	<b>Graphics Distribution:</b> Allow admins to distribute informational graphics either through a news channel or attach the graphics to an event
11	<b>Mobile distribution:</b> Make the app accessible on mobile browser and if possible make a Progressive Web App.
12	<b>Easy Maintenance:</b> Make the project simple to maintain past our group's initial development. Eg. make hosting/heroku passed onto someone who can keep the project updated after we've all graduated.

Scope Exclusion	
Exclusion	Reason for Assumption
Mobile App development	Developing full IOS and Android app counterparts would add far more complexity to the project for a little amount of convenience. After all we would have to quickly learn Objective-C (xCode) and all IOS restrictions and then connect it with Java/Kotlin for Android in the same/similar UI layout
Continued support for the current points system	Developing the product to be synchronised with the current google sheets point system would add more complexity and introduce vulnerabilities for both distant hackers and malicious internal users. The intent is for the product to completely replace the current system.

Social media / forum platform	The product isn't meant to provide users with a platform to share member generated content/memes. We can share the organization's official channels of communication.
Personnel tracker	This product is not meant to allow users to track others in their personal time. Nor to allow spam bots to fill users inboxes with advertisements or suggestive content.
Video game / gamify club activities	This product is not meant to provide an venue for users to make the serious club events into a simple point game but instead inform and track points.