**Marching Masters**

Customer Requirements

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Revision History

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| --- | --- | --- | --- |
| **Name** | **Date** | **Reason for change** | **Revision** |
| Jeffer Zhang, Adam Luong, Aparna Mishra, [Brandin Bulicki](https://www.facebook.com/bbulicki), [Tumaris Yalkun](https://www.facebook.com/tumaris02), Siddharth Srinivasan | 09 October 2020 | First draft: initial outline | 1.0 |

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# Project Background

## 1.1 Overview

Every summer, marching bands and drum corps all around the world learn drills for their

season’s performance. Then, in the winter, indoor percussion, guard, and wind

ensembles prepare their drill for their seasons. As it stands, the only way to effectively

learn the coordinates (aka dots) for the show is to go ‘set-by-set’ and check every

performer’s positioning for every drill move. What if there was a way to check every

performer’s coordinate instantaneously, just by looking at one screen? Marching Masters will

allow you to do so. This product will allow for the director or staff to track the

movements of all the performers, instantaneously check for correctness, and even record

the tracking to review later. Additionally, the program will also allow for the storage of

your team’s drill in the form of editable dot books and drill books. Lastly, the program

will allow for communication between groups and subgroups. Teachers will be able to

post assignments and documents to a user-friendly group. Performers will be able to see

these posts and ask questions, post responses, and videos of their work outside of

practice. Just because the performers are not at their rehearsal site doesn’t mean that the

learning must be done. Overall, this product will be an all-in-one stop for all your band

Needs.

## 1.2 Scope

Marching Masters is designed to help achieve a greater level of success in the marching

universe. The program does this by allowing the director to create groups for each season

or group that they instruct. They then are able to upload the drill in the form of pdf dot

sheets that Marching Masters then uses to compare the location of the performer in real-time.

This will inform the staff and performers whether they are in the correct position and

form. The secondary functions include an editable dot book that you can load right on

your device. Performers and instructors can add in notes so that the performers can easily

know when visuals and other drill enhancements occur. Finally, Marching Masters will act as

a social app that will allow instructors and performers to seamlessly communicate

with each other. This will allow for questions to be asked and answered, assignments to

be posted, and events to be added.

# Users

## 2.1 Marching Arts Performers/Staff

This program will best serve all marching arts performers and staff. Individually,

performers can use Marching Masters to better organize themselves and their dot books.

Additionally, as a collective, the performers can better communicate with their sections,

officers, as well as their staff to keep the learning going even when not physically

together. On the other side, staff will also be able to communicate with other staff

members with ease to keep the organization all on the same page. Staff with the

necessary permissions will be able to set events, assignments, and even share documents.

This all will keep the performers notified of practices and competitions, informed on

points of the show that need work, keeping them up to date with all changes in drill and/

music.

# Features to be Implemented (Functional)

## 3.1 Application Login Page

The application will provide a login page for login capabilities for both instructors and performers. This page will also house user creation along with a password reset in case a user forgets their password. Within the user creation page, the user will have the option to classify themselves as a performer of instructor.

## 3.2 Users (Instructors/Performers)

There will be two differentiating users each with separate capabilities. Instructors will be able to assign documents and information to performers assigned to him/her. Performers will able to join a grouping lead under an instructor.

## 3.3 Application Dashboard (GUI)

The application will have a main dashboard that displays features for viewing account settings, viewing assigned documents, viewing positioning information, and communication sections to communicate with other performers/instructors.

## 3.4 Uploading Documents/Events/Assignments

User (instructors) will be able to upload documents in PDF, share events, and hand out assignments to specific performers within the application. This can be done on the main dashboard page as an instructional user.

## 3.5 Viewing Documents/Events/Assignments

User (performers) should only be able to view documents/events/assignments that are assigned to them.

## 3.6 Position Tracking

The application will track each individual user. This information will then be aggregated into a page that will display the positioning of each performer.

# Features to be Implemented (Non-functional)

## 4.1 TBD

# Features not to be Implemented

## 5.1 TBD