**CIS 422 Project 1:**

**Classroom Cold-Call Assist Software**

**Project Plan**

Patrick Thomasma, David Han, Kassandra Morando, Brianna Vago, and Geli Zhang

January 10,2022 – v1.0

**Table of Contents**

**1. Revision History**

**2. Management Plan**

2.1 Roles and Decision Making

2.2 Communications and Meetings

**3. Work Breakdown Schedule**

**4. Monitoring and Reporting**

**5. Build Plan**

**1. Revision History**

**Date Author Description ————————————————————————————————————**

**1-6-2022 pt Created the initial document.**

**1-9-2022 pt Wrote the Project Plan rough draft.**

**1-9-2022 bv Began proofreading rough draft.**

**1-10-2019 bv Finished editing rough draft.**

**2. Management Plan**

**2.1 Organization and roles**

The assignment of each group member and their responsibilities

* Documentation: Brianna Vago
* Back-End lead: Kassandra Morando
* Front-end lead: Patrick Thomasma
* Back-End Coder: Geli Zhang
* Front-end Coder: David Han

**2.2 Meetings**

* Mondays @ 12:00 PM
* Friday @ 4:00 PM
* Additional meetings will be planned accordingly

Group members will meet on discord and last around two hours or however long each group member can be around for the meeting

Group members will report progress outside of meetings through different communications methods

* Discord
* Group Message
* Kanban

**3. Work Breakdown Schedule**

* Week 1
  + Create project plan
  + Drafts for SRS and SDS
  + Project documents due on Friday
* Week 2
  + Begin implementation on github and assign tasks to group members
  + Create implementations of Back-end development
  + Create visual parts and user input parts of the GUI
  + Get code base working to a buildable state by end of week
* Week 3
  + Finish implementing the requirements for all the components
  + Begin testing and debugging
  + Consider to include the optional components
  + Have a stable release done by end of the week
* Week 4
  + Project due

Members should have equal distribution of the given tasks and each milestone should be met roughly on time with the work breakdown schedule that is given, any problems that arise should be brought to other group members so they can figure out a solution while keeping to the deadline.

**4. Monitoring and Reporting**

Milestones and tasks will be checked and recorded on Kanban so all group members can see what the other is working on. Kanban will be updated as group members finish each task and each task will be verified by another group member to ensure that it is finished. Anyone involved in the task can check to make sure it's complete and that each component is able to move to the finished section.

**5. Build Plan**

**5.1 Plan Details**

The modules that will be implemented first are the back-end, the roster and the queue will be set up first with all the students' information with the functionality of reading,manipulation,displaying, and outputting the student data can be implemented as per the system requirements.

As the back-end is being worked on the visual and user input modules of the GUI will be implemented, we will begin implementation with the main view that the user will see and then we will work on the other view components from there.

Both groups will be in close communication as these two parts are being worked on throughout so they can update each other on the functionality of the respective systems which will help with building the two systems and so both groups are aware of where the other is at

When each component’s individual functionalities have been tested and determined to reach the requirements the modules will be connected into a buildable state. Then the system’s “Must haves” will be implemented and if the group determines that they have time to implement secondary futures those will be implemented as well, requirements for those will have to be further evaluated.

After all functionalities are added focus should shift on testing and debugging in order to release a stable release by the project deadline.

## **5.2. Rationale**

In choosing to put our project into these separate parts we can split the functionality of our project into separate categories like the GUI and backend. Further down the line we can then allow the integration of other parts of our project in a way that will be simple to implement. We decided to separate the GUI and non GUI components of our project between our team because we feel like it will let the team work on what they feel comfortable with and we can be able to focus on that work while going through the phase to build a code base.

The hardest part of this project we feel will be the implementation of the GUI elements since many of us are inexperienced with programming such as that and we are aware that there will be a curve in learning and being able to implement it so the people on the back-end have something to work with.

# **6. Acknowledgements**

The formatting of this document was based on a Software Requirement Specification template provided by Professor Anthony Hornof.