**Nicholas Thies**

**Scope and purpose of document**

Contained within this document is a section where we go a bit deeper into the scope of our project. There is also a section talking about how we organize jobs within our staff.  Our anticipated business and personal benefits are discussed in the first section, discussing how it would benefit users and us. Later in the document we discuss the problems we might face with the development process. Finally we discuss the system capabilities in depth.

The goal of our application is the streamline the information retrieval for students. Finding out information through CCMs website, blackboard and titans direct is a chore and our app will make it one click away. There will be  a parking tracker to help find a spot quicker in a pinch. An interactive map to show where you are, where you have to be and everything in between. Notifications that can be enabled or disabled to see whatever you need or want to see. And a calendar that puts all points into their order in an organized way.

**Nicholas Thies**

**System Scope: Problem/Opportunity Description**

The goal of our project is to provide an app that aids the CCM students.  CCM students have no centralized application that has all the information they need throughout the day. Whether it is what homework was due, where their class is, if class is still on after inclimate weather, when semester registration begins, so on. All the information they need is between blackboard, titans direct and the CCM website. Those three websites are not even efficient forms of finding said information. The CCM being the worst suspect of this due to some parts of information being so buried it could take a long time to find it. Our app will not only centralize information but make it significantly easier to find. This is an opportunity not yet tapped into and we are going to take advantage of said opportunity.

**Thomas Dowd**

**System Scope: Anticipated Business/Personal Benefits**

By creating the CCM Student Aid app our company would hope to achieve improving the overall quality of life of the students that attend the County College of Morris. By receiving all of the useful information that students use and placing all of that information into a single application would be extremely convenient for the students. The CCM Student Aid app would also achieve creating less chaos in the parking lots during busy hours with the Parking Lot Tracker feature. Other goals that would be achieved would be getting information to the students that they might not necessarily even see if not for the app.

Benefits to the user would be, not having to go to multiple different websites to find out information about assignments professors posted, events going on around campus, clubs they might want to join, what food is being served in the cafeteria, essentially taking useful needed information for the user and compiling it into one place. Benefits for the user that they would not be able to find out from websites. Bathrooms/utilities being out of order in certain buildings.

**Diego Bermudez**

**System Capabilities**

* Notifications
  + The notification feature of the app will allow students to receive alerts regarding  homework, course, and general information. Homework notifications will include alerts for new assignments, assignment extensions, and late assignments. Course notifications will be related to course registration, number of available seats, and when payments are due. General notifications will be related to upcoming school events and upcoming club events and activities.
* General Information
  + The general information feature will display a lot of general information for the campus. This information is important information that may also apply to other features, but it will all be located in one spot. Some general information will be new information that is currently unavailable such as cafeteria menu and prices. Other information will be related to clubs, sports, events, and hours of operations for buildings.
* Map
  + The map feature of the app will have an interactive map of the campus and will be able to aid students in traversing campus. This will allow the student to select a building and then display a list of what is inside each building. Will be an option for students to allow location services with map features to help guide a student to a specific location, and some examples are a specific classroom or school facility.
* Calendar
  + The calendar feature will be able to keep track of many things for the student. Major school events can be put on the calendar by the school, such events would include semester starts, semester endings, class registration dates, school closures, and class cancellations, Then other things can be added to the calendar by the student such as class assignments and club activities.
* Parking Tracker
  + The parking tracker feature will keep track of how full or empty the parking lots on campus are. This will require a counter system that will increase as vehicles enter and decrease as they leave the parking lot. This feature will also be able to send notifications to those who opt in and these notifications will share when a lot is getting closer to full or is full and when the busiest hours for a parking lot is.

**Thomas Dowd**

**Staff Organization: Team Structure**

The team leader for Team Titans is Thomas Dowd, the other two team members are Diego Bermudez and Nicholas Thies. Team Titans stays organized by utilizing multiple different websites such as Slack, Trello, and GitHub. Slack gives us a means of constant communication with one another. Trello and GitHub give us the ability to keep our project material organized and easily accessible to all of us.

**Diego Bermudez**

**Tracking and Control Mechanisms**

Every class an in person scrub meeting is held during the first fifteen minutes in order to communicate and discuss work that has been done in regard to the project. Outside of the classroom communication is held through Slack in regards to progress updates and questions. Trello is used to track progress with sprints outlining what work is to be done during the week, and checklists to indicate what has been done and what is still unfinished. GitHub is used to upload parts of the project as progress is made such as the proposal and project plan. Documents of the project are shared among the team members so they are easily accessible and can be changed by anyone.