# CPSC 233 - Group 5 - Term Project Proposal - Updated 08/08/19

Team Members:

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## App Idea:

## Our group has created an Academic Calendar App which aims to integrate both the university’s events and an individual’s personal schedule into one place. The initial intention of the app is to make university information and events more accessible to a wide base of users. As the intricacies of the actual university academic calendar can be a bit confusing, especially for first year students, this app intends to make key information readily available, along with an assortment of features to further the user’s productivity .

In terms of design, our app interface is laid-out as a calendar, where users can see the month, and the events happening within it. Any events that users add are editable and can be deleted. The app will also contain events that are faculty specific, allowing the user to keep up with notifications and events for their program of study.It is important to note that university events - which are saved to an external file - can neither be edited or removed by the user.

## App Specifics:

(Includes structure, design, components)

At best, we hope to include the following features in the app:

1. an interactive academic calendar
   1. Would display important dates like first day to register for courses, last day to drop/swap/add courses, days when fees are due
   2. Personal events that the user would like to input on their own
2. Important course dates like final exam dates
3. Student could also add events (ex. Quiz and midterm dates) to calendar

Focusing on point 1, this interactive academic calendar, contrary to U of C’s current set-up, would be designed to look like a normal calendar with important dates programmed into it. Users would be able to search certain event information and details, and customize it to fit their personal events into the interface as well (such as quizzes, tests, midterm dates, appointments, etc.). We will use the Java timer class or something similar in order to create a notification system for events.

UPDATES FROM SUBMISSION #1:

* The original idea to use an API was discarded as we were not able to get access in the first place, and if we had gotten access, the time it would have taken for us to learn to work with APIs would have not been doable in the time frame we have available to us.
* The interactive map idea was also discarded because of the time-constraint; we would have needed to do a lot of self-study to figure out mapping software and implement it into our application.
* The plan for faculty-specific features was discarded for the same reasons as the above points.

UPDATES FROM SUBMISSION #2:

* The calendar GUI is now functional. Events are not yet displayed on the GUI view, and View Event functionality is not yet operational.
* User-initiated “Add Event” function has been added to the calendar view. Basic checks for data entry input have been added so that the user cannot input incomplete (unfilled textfields) dates.
* Event notification class is started; logic for timer refresh is complete. The next step is to parse the Start and End Times submitted by the user into a time date to reconcile against the timer.
* A week view class was created for additional GUI display. It is not yet functional.
* Event label descriptions (Event Name) must be added to the GUI view (see Point 1).

## Target Audience for the App:

Given the time and resource constraints, the app’s target audience would be UofC students, with all resources focused on helping these students navigate through the university’s resources as well as stay organized with their own busy schedules.