**CSC 834**

**Software Engineering**

**Spring 2021**

**Team Project**

**Personal Calendar with Meeting Coordinator**

Date: 03/29/2021

**Objective:**

The purpose of this individual project is to practice Object-Oriented Analysis/Design method with UML. You will learn the skills of using UML on the individual project and apply them to the team project.

**Description:**

You are asked to design a simple calendar system for personal use. The system shall provide the following services to a user:

* Add an event to the calendar, including conflict check of two events.
* Delete an event from the calendar.
* Edit an event on the calendar.
* View an event.
* View a monthly-based event list.

(You can check EKU email system. It provides a calendar that allows you to do the above operations.)

Beside the above basic services to a personal use of the system, the system shall allow a manager to coordinate a meeting for his/her teammates. To do this, the manager first chooses a date for holding a meeting, the duration of the meeting, and the members to attend the meeting. The system will then access the members’ calendars and find possible time slots for holding the meeting. The system will display a list of possible time slots to the manager. The manager will choose one from the list. The meeting event will be added to every participant’s calendar.

**An extra service is to allow the manager to delete a meeting event if the event was created by the same manager. I will make this operation as a bonus, and let you and your teammates decide whether you want to implement it or not.**

You will use the same methods and tools learned from the individual project to complete this team project with your teammates. If you have any questions regarding the assignments and the projects, please contact the instructor immediately.