Task 1 and Task 2.)

User Story: As a student I want to be able to to have a variety of schedules for classes that I am planning to take.

Name: Generate 50 Schedules
Actors: Students
Entry Condition: Students will open the application and will be immediately be able to search for courses and add them to a list that will automatically generate a schedule for every class that is added
Exit Condition: When done choosing classes they have the option to save the course schedule created, if they do not save the schedule, when the app is closed the scheduler will reset and they will have to start over.
Event Flow: Students will open the application, add classes that they want to a list, application will generate all possible schedules that do not have time/exam conflictions to a schedule interface

User Story: As a student I want to be able to add custom times like work and sports in order to create a more accurate generated schedule and add a filter for different criterias that is tailored to my everyday routine, and to choose between longer gaps, morning classes and other such types.

Name: Adding custom times to schedule to taylor to the students' specific needs and add filters for different priorities
Actors: Students
Entry Condition: Students will open the application and will be immediately be able to click the add custom button to input a time and days for their custom time slots of other activities and will be added to the generated custom schedule, they will also have a filter button for when clicked, will display different options to filter the schedules generated to prioritize the filtered condtition first.
Exit Condition: When done choosing classes and adding their custom times they have the option to save the course schedule created, if they do not save the schedule, when the app is closed the scheduler will reset and they will have to start over.
Event Flow: Students will open the application, add classes that they want to a list, click the custom button to add a time that they want to add to the schedule, they will add time, and days, or they will click filter and apply all filters that apply to their needs. Application will generate all possible schedules that do not have time/exam conflictions to a schedule interface.

User Story: As a student I want to be able to import this generated schedule to my Google Scheduler to have with my other plans.

Name: Add generated schedule to Google Calendar
Actors: Students

Entry Condition: Students will open the application and will be immediately be able to search for courses and add them to a list, create custom times slots for their own activities to add to the scheduler and will automatically generate a schedule for every class that is added. When they are done they can click the import button to import to Google Scheduler, where they will be redirected to a pop up to google and will be asked to sign into a google account to which the schedule will be saved. They will be notified when the save is complete and successful.

Exit Condition: When done importing the schedule, they are still able to save the generated schedule to the app, if they do not save the schedule, when the app is closed the scheduler will reset and they will have to start over.

Event Flow: Students will open the application, add classes that they want to a list, click the custom button to add a time that they want to add to the schedule, they will add time and days. Application will generate all possible schedules that do not have time/exam conflictions to a schedule interface, they will click the import button and they will be able to import the schedule to Google Calendar.

User Story: As a student I want to be able to get notifications when a class I would like to take has either been filled up or if there is an opening to that course.

Name: Follow classes and receive a notification when the class spots open up and when it is full

Actors: Students

Entry Condition: Students will open the application and will be able to immediately search for the courses they would like to add, the course will display the amount of seats available, they will be able to check the notification push on the class and that will activate push notifications for when the class is either full or a spot opens up.

Exit Condition: The student will be able to go into the app, and see all the classes he has checked to get pop up notifications, he will be able to choose the class and uncheck the pop up notifications and they will not be sent any more notifications.

Event Flow: Students will open the application, add classes that they want to a list, if the class is full they are given an option to check the notification push on the class to get updates when the class is either full or a spot has opened up.

Task 3.)