

# Midterm Exam

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**Problem:** The Office of Student Life of a university has hired you to design a mobile app to help students ease their frustrations when it is time to register for classes.

## Requests:

- Generate up to 50 schedules that fit your classes.
- Filters to tailor the schedule to your life such as focusing on late classes, minimizing gaps, and even input your work schedule and meeting times.
- Port your created schedule to Google Calendar with the click of a button.
- Follow classes and receive a notification when a spot opens up.

## Tasks:

### i.) User Story:

- **Targeted Audience:** University Students (Users)
- **What?** Design a mobile application to help ease the user experience when they register for classes.
- **Why?** To give the best experience for students to conveniently use the product.
- **Description?** “As a user I want to be able to plan ahead open schedules, filter through the times I can schedule my classes, and receive notifications when a seat is open for me to take so I can have the best classes that fit my schedule with work and clubs and that fit best with time when I can study.”
- **Another user story?** “As a user I want to be able to receive notifications when a seat is open for me to take so I can take my prerequisites early and take a class I want to really get into.”

### ii.) Use Case Information:

**Name** - The Office of Student Life

**Actors** - University Students

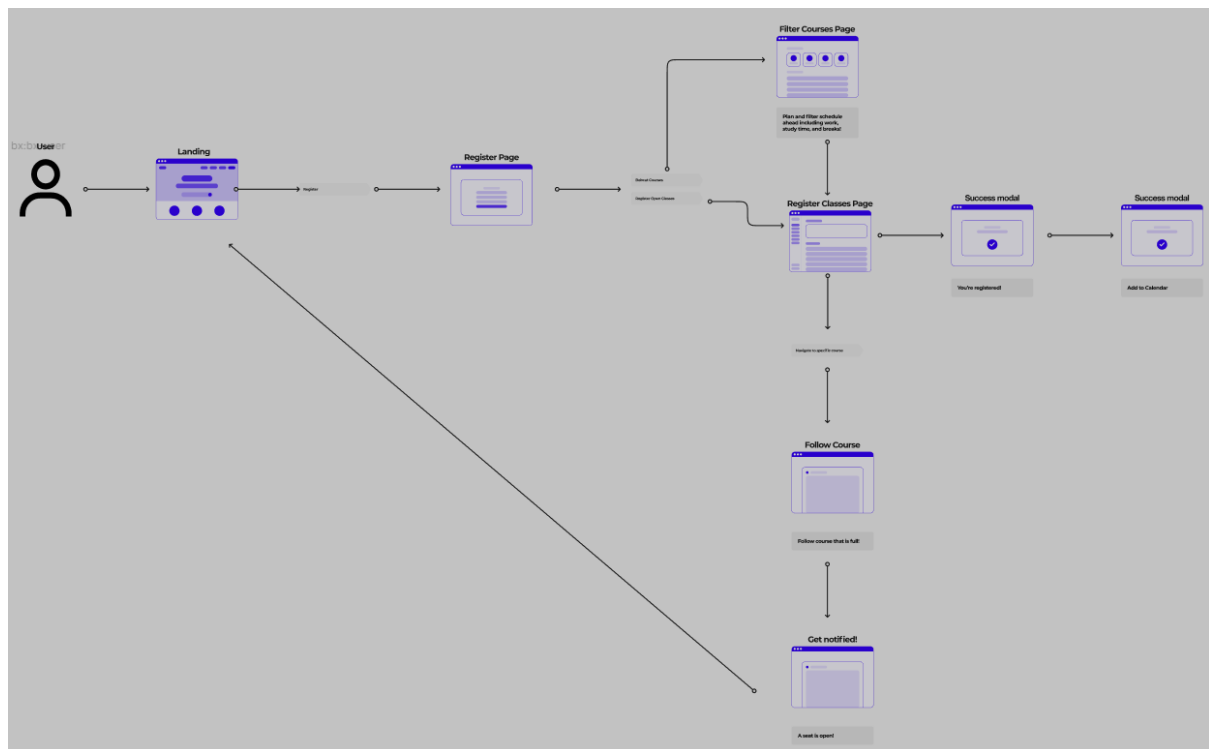
**Entry Condition** - Click button to navigate to Register page

**Exit Condition** - Enter correct courses number with no conflicts, or follow certain classes to receive notification when the seat opens

**Event Flow** - Register page > Navigation to filter courses> filter till satisfied courses schedule > Filter and insert work/club/lunch/study availability > Click “add to google calendar”> Navigate to specific classes > Follow button > Exit application

### iii.) UML use-case diagram

When a student first uses the mobile application, they will first navigate to registration page, inside registration page they can navigate to certain pages to do certain functions, first navigation is to plan courses, work time, study time, lunch time, and break time with their own specified schedule they wanted, then once they are satisfied with their schedule, they can click a button to “add to calendar” which dropdowns “iCal, Google Calendar, YaHoo Calendar”, if they are not satisfied with their schedule since one class is filled up they can follow that class by navigating to the page of that specific course to follow it > wait for notifications for open seat > start cycle again.



Look below for a better picture.

