Sched-U Design Document

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# Overview

## Purpose

## Target Audience

# Business Requirements

## Classes

1. Get school term start and end
2. Add class
   1. Set course code (required)
   2. Set class schedule (required)
   3. Set course name (optional)
   4. Set instructor, building name, room name (optional)
   5. Set transportation information: walk, bike, or bus to class (optional)
3. Edit class information
4. Delete classes
5. Get class location at start of first class

## Instructors

1. Add instructor
   1. Set name (required)
   2. Set contact information (optional)
   3. Set office hours and office location (optional)
2. Edit instructor information
3. Provide easy mechanism to email or call instructor based on the provided information

## Notes

1. Add and save different types of notes
   1. Text notes
   2. Photos
   3. Sketches
   4. Voice memos
2. Set a title or caption for each note (required)
3. Set a specific class for each note (required)
4. Show a list of all notes organized by date
5. View and delete notes
6. Edit text notes and sketches

## Assignments

1. Add assignment
   1. Set due date (required)
   2. Set assignment title (required)
   3. Set class (required)
   4. Set number of points (optional)
2. Show a list of all assignments, sorted by due date
   1. Colored by priority: due today, due tomorrow, due later (red, yellow, green)\*
3. Edit and delete assignments

## Calendar

1. Show calendar, which can be switched between day, week and month view
   1. Classes, assignments, and tests shown in a chronological list
2. Show class details when touched in the calendar

## Class Details View

1. Show countdown until the start of class (if before) or the end of class (if during)
2. Show option to silence/unsilence phone during the class (default on)
3. Allow the class location to be shown on a map
4. Allow notes to be viewed, added, and edited
5. Allow assignments and exams to be viewed, added, and edited
6. Show instructor information

## Reminders

1. If the time to get to class is greater than the time until class plus a buffer amount\*, show a notification\*
   1. Use the Google API to calculate time to class
2. Show notifications\* before an assignment is due or before a test occurs\*
3. Silence phone automatically during class\*

## Preferences

1. Turn off all reminders
2. Turn off auto-silence in class
3. Set buffer time to add to class distance
4. Set the number and times of notifications to show before an assignment is due or before a test occurs
5. Set the time period associated with each priority (shown as a color) when displaying assignments and exams
   1. Ex: Assignments and exams shown in red could be set to 12 hours, 1 day, or 2 days

\* Can be adjusted in the preferences

# Technology

## Target Devices

Devices running Android OS, version 2.2 and above (API 8+)

## APIs Supported

## Required APIs

1. Google location services
2. Google Maps API

# Use Cases

# User Interface

# UML

# About