Course Scheduler App and Website

Project Name: University Course Scheduler

Core Idea/Goals:

To develop a website and mobile app (IOS/Android) that will assist prospective and current students with scheduling potential classes based on a various criteria (preferred schedule, CRN, teachers…)

Main Features:

1. Allow students to input criteria such as preferred schedule, course attributes, preferred/not preferred teachers, etc.
2. The app finds the requested classes that meet the given criteria of the student.
3. Allow schools to submit CSV (in our desired format) file with course information that will be used to generate schedules for students of that university.
4. User-friendly GUI website/mobile app.
5. The webpage will keep track of a student profile for each individual student for additional features.
6. Will notify via email (or other preferred method) if there is a change in that universities classes.
7. Will store all the class information on a database which can be pulled from when generating class schedules.
8. Will generate a printable course schedule outline once schedule is created.

Stretch Goals:

1. Allows students to filter out classes by professor - rate my professor connection?
2. Allows user to filter classes via University required courses (MG, ACE, WI, etc.)
3. Highlight differences in schedules
4. "I like the positions of these classes, reroll the rest"

Limitations:

1. Programming capabilities of team
2. Program input data format
3. Developing algorithm for program operation
4. Program optimization to save on time

Deliverables (Tentative):

1. End of summer we will be comfortable with the technology that we plan to use to implement our project.
2. Assign equal portions of the work and create teams of 2 to 3 people to learn specific aspects that will be used in our project.