

Course Scheduler Project Specification

Project Title: University Course Scheduler

Project Summary: This course scheduler will build a schedule of classes for the user. The user will enter their availability during the week and the classes they wish the schedule. Our course scheduler will then generate all possible schedules based on the user's information and display it on screen. We will create a website and a companion phone app for our project.

Project Ideas/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 times, course titles...)

Main Features:

1. Allow students to input criteria such as preferred schedule, course attributes, preferred/not preferred teachers, etc.
2. The scheduler 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 stored in a database for that university's courses.
4. User-friendly GUI website/mobile application.
5. Will store all the class information on a database which can be pulled from when generating class schedules. This information will be used in the generating the schedule.
6. 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