

Project: SMARTScheduler

Technical Review #1 Reflection and Synthesis

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From our design review we received useful feedback from other students on possible features of our application. Students were most concerned on the time it would take to enter in their course information. They stressed that it would have to be significantly quicker and more convenient than figuring it out manually with the tools already available to them. In general, the recommendations consisted of interesting features we could implement rather than just a way to audit graduation requirements. Below are the three most common student suggestions from our technical review:

Stress Predictor

- Be able to identify how students feel stress
- Use key indications to calculate a stress level for a schedule (perhaps a weighted average)
- Project based vs. Exam oriented courses
- Stress level over certain the semester (Is the end more stressful than the beginning?)

Course Recommendations

- Based on individual student interest
- Based on individual student scheduling preferences
- Based on classes that an individual's friends are taking
- Based on the courses that a student must take to fulfill certain requirements
- Based on courses individual's want to take at neighboring institutions

Professor Rating

- Display professor teaching effectiveness
- Display excitement students have to take the course

What's Next

1. Begin coding the basic structure of understanding course requirements and how they are associated with course codes.
2. Research data scraping abilities of python to pull data from ratemyprofessor.com.
3. Design and implement easy-to-use user interface.
4. Create a suggestion algorithm based on classes taken and classes still needed for graduation requirements.
5. Implement concentration requirements to the suggestions. (stretch goal)