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Group Name: The Raters Not Graders

Problem Statement/Proposal: Our project idea is an application similar to "Rate My Professor", but is geared more towards both the classes offered by a university and the professors that teach that class. The purpose is to help students find classes and professors at an institution that they would like to take by looking through courses they could take for their major as well as course difficulty ratings and ratings for professors that teach the course. A secondary goal of the project is to gather a list of classes here at S&T and related information that is searchable and sortable by the university, department, professor that teaches a specific course, class difficulty, comments, ratings, and possibly more. Entities include universities, classes, professors, students/users, textbooks, and departments. The database will also keep track of the cost for each course, average cost per credit for a particular university, textbooks for classes, and the price, rating and any possible pdf links for a textbook. For now, we are aiming for just a command line program, but we may decide later on to implement a GUI.

Functional Requirements:

1. Profile: Users should be able to add their own information (ie, school email, name, major ect) to the database in order to prevent bot accounts and give the database a better sense of community.

2. Ratings/remarks: Users should be able to share their ratings for classes that they've taken, professors they've had, and any other remarks about classes or professors.

3. Sorting: Users should be able to sort through classes with criteria such as university, professor, department, and class difficulty.

4. Info: Users should be able to view detailed information about the class such as the average difficulty rating, professors who have taught the course along with the average GPA for the class they taught, and other users' comments about the class/professor.

5. Editing: Users should be able to delete/edit their own comments and ratings.

6. Security: Users should have their own identity to make/edit their own comments/ratings, and NOT be able to edit other users comments/ratings.