Group Creator

Priority Feature List

1. The system stores information and self-evaluation for each student.
2. The system stores all the criteria provided by the instructor.
3. The system creates and stores a list of groups based on criteria specified by the instructor.
4. The system is able to access the text files for student grades and class schedules.
5. The system can send the final list of groups to the students.

Justifications:

- These priority features are the most important part of our system where if we didn't have these features our system couldn't.

1) The stored information about each student is essential to the system. The system needs students from which to create the groups.
2) Stored criteria from the instructor is essential to the system. The groups are created based on criteria the instructor decides, so this criteria is essential to the main function of the system.
3) Creating and storing groups is essential to the system, because this is the main function of the system. This also gets the question "how is this done?" because the instructor must be consulted on the way the group creation algorithm will work.
4) Having these key features helps reduce risk for building the system. They are the most important functionality where there could be problems. All features of lower priority are not part of the core functions, so it would not reduce risk if those were worked on first.

Additional Features

1. The instructor can edit the Self-Evaluation questions.
2. The instructor has the ability to view the groups and then edit them in way that he wants them to be.
3. The instructor can choose whether the groups should be created by using GPA only, self-evaluation only, both at the same time or no preferences.
4. The students have the ability to fill the self-evaluation form.

Justifications:

- These additional features create a better working environment for the instructor and students, however are not essential for the working system.

1) The instructor's ability to edit self-evaluation questions gives the instructor freedom in creating the perfect questions to fit this specific course.
2) The instructor's ability to view and edit groups is essential for good working system where the groups are exactly to professors specifications.
3) The ability to choose criteria for the group gives the freedom to the instructor to create different groups for the same class, where he doesn't need to have a balanced skill set or balanced GPA in each group.
4) The student's ability to fill the self-evaluation form is an essential function for having the self-evaluation feature and it allows the students to easily express their skills.