Use - Case for the e-Sata Application

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There will be four determined users of the e-Sata application. This is determined in a fashion so that proper user rights and functions are assigned as there will be more than one type of client using the application. The following four users will be:

- Students
- Lab Instructors
- Lecture Instructors
- Course Administrator

Use Cases

Student
Students will be able to make submissions of their pre-lab and labs files. After submitting their pre-lab they will also have the right to resubmit the pre-lab if they want to make changes before the lab session after feedback is received. The feedback screen will provide comments to incorrect cells to show mistakes; if a mistake is not limited to one cell there will be one dedicated cell to hold all of the notes on these mistakes. If a mistake is limited to only one cell a comment will be added to incorrect cells directly. Students will also have the ability to view their own lab grades. If a student misses a lab and attends another to make it up, the software will be able to recognize the discrepancy and resume normal function with a lab instructor override.

Lab Instructor
Lab Instructors will be able to view the profile of any student in a lab session. A profile encompasses the grades and attendance of a student. Viewing the profile signifies the ability to view and edit the students’ grade. e-Sata will grade the pre-lab and lab, and then the lab instructors will scan over the e-Sata assessment and adjust anything that was marked incorrectly (i.e. formulas), or assigning partial credit as necessary. Lab Instructors will also be able to get feedback on what errors or mistakes made by students have the highest percentage. Feedback from other lab sessions will also be available to Lab Instructors. Lab Instructors will be able to keep attendance using the application and perform overrides.

Lecture Instructor
Lecture Instructors will have the right to view their students’ grades and view statistics and feedback from all lab sessions. The feedback includes what errors or mistakes made by students have the highest percentage.

Course Administrator
The Course Administrator will be able to view all the grades from all the sections. The Course Administrator will also have full access rights to edit and upload answer keys used by e-Sata to grade the pre-labs and labs.