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AbsenceCheck: Student Attendance Tracker and Notifier

**Requirements**

The purpose of AbsenceCheck is to provide a utility that enables teachers to keep track of student attendance and easily notify students of the material they missed in class via email. This program will also provide a quantified look at the overall attendance of the course for teachers and administrators. Students will not have access to AbsenceCheck and will only interact with it so far as viewing emails sent to them. The emails sent to students will include an overview of the topics missed in class or anything the teacher so chooses to include, as well as the student’s cumulative absences to date.

Stakeholders:

* Teachers/Professors
* Administrators
* Students

AbsenceCheck will provide a single command line program with four main subsystems: ac-config, ac-attendance, ac-notify, and ac-stats. ac-config will set up fields such as teacher name, email, email password, and a daily description of class (topics, textbook pages, etc.). ac-attendance will take in a class role file (csv with student names and emails) then prompt the teacher for the attendance. ac-notify will send emails to all the absent students with the class description stored in ac-config. ac-stats will store a cumulative attendance record and will also have the option to email that cumulative attendance record to an administrator.

*“I pledge my honor that I have abided by the Stevens Honor System.”*