Requirements Documentation

1. Upon receipt of a class list from the school, upload the list into the application
   1. List contains First, Last, Middle Initial, Grade Level, and Class Assignment
      1. Grade level can be from 9th through 12th
      2. Class Assignment will be English, Math, History, Science
      3. There will be 5-7 classes
         1. Raw Format: file contains Subject, Grade Level, Class
         2. School Format: “English 10-1”
      4. Classes can have 20-30 students assigned
   2. List is received from school in .csv format
2. When starting the application, present the teacher with a way to select a specific class
   1. There will be anywhere from 5-7 classes (depending on number of students at the school)
3. After selecting a class, the application will default to Attendance
   1. The school year consists of 175-180 days (the difference of 5 is to account for make-up days due to weather closure). If no weather closures, school year is 175 days.
   2. Teacher will need a way to select the desired date, then record attendance
   3. Attendance is recorded as either Present, Absent, or Tardy
      1. In cases of an excused absence, student will be marked present
      2. If a student is less than 15 min late, they are Tardy. More than 15 minutes will be recorded as Absent
   4. There will be a means to select all students as Present with minimal effort
   5. There will be a means to identify a day for weather closure
      1. Weather closure removes this day from attendance calculations and does not count against students. Marking a weather closure adds one additional day to the school year up to a maximum of 5 additional days.
4. The application needs a selection for graded assignments
   1. Every class consists of the same assignments:
      1. 1 test per quarter
      2. 1 quiz per week
      3. 2 homework assignments per week
5. The application needs to generate a report card for each student at the end of the year.
   1. Report card will identify the Student’s name, Subject, and Class Number then the following information:
      1. Total Grade (out of 100% and on an F to A+ Scale)
      2. Student’s rank (out of entire grade)
         1. Same rank in the case of a tie
         2. After a tie, rank picks up at the count of the students
         3. Example, given three students and a tie for first – this will result in two rank 1 students, no rank 2 students, and one rank 3 student.
      3. The entire grade level’s average performance (F to A+ Scale)
         1. Less than 65 = F
         2. D grades are from 65-66 for D, 67-69 for D+
         3. C grades are from 70-72 for C-, 73-76 for C, and 77-79 for C+
         4. B grades are from 80-89 (same format as C grades)
         5. A grades are from 90-100 (same format as B grades)
      4. The individual class’s average performance (F to A+ Scale)
6. Miscellaneous requirements:
   1. The teacher should NOT be prompted for a password or login information, if they have logged into their computer, and have the application installed – they are authorized to use the application.
   2. Once the teacher has uploaded their class list, they should NOT be able to upload another list.
   3. All attendance and grade data must be saved to the school’s database
   4. Special cases (such as student transfers) are handled by the school administration, teachers should NOT be able to drop/transfer/accept students at any point other than the initial upload of the class list.
   5. Changes to the school’s syllabus are handled by the school administration, teachers should not be able to add/remove/modify assignments or grading metrics.