March. 5th — THIRD RECORD OF THINKING

        I am on the final stretch of my project. The end is nye! I've done a lot since the last record of thinking, mostly to do with the survey and how data will be saved and retrieved. In the last record of thinking, I had decided on a 2D array for my survey data. Since then, I have talked with Mr. Kiang and he suggested that I create a 4th class that deals with the creation of a course object. A course object would hold values like the average, String ID and number of entries. This was a great idea, so I tried to implement it. But I ran into a lot of trouble when I tried to display the course object in swing. I couldn't convert a course object into a string to display. So I went back to arrays of Strings instead of courses. I then switched to arraylists which I thought better worked for my situation. I now 1 array list that holds the String ID's for all the courses (e.g.: algebra 1, geometry). I also have 4 array lists, one for each question in the survey. Each of those array lists has a defaulted values of 0 for each of the around 30 courses. These values will be changed when the user takes the survey. I also have 4 array lists, that correspond to the question numbers that hold the number of entries for each course. I also worked a lot on methods that accept and save the survey values into those array lists. Now that I have an array list called allCourses that holds all the string IDs for the courses, I sectioned off each subject by a range of indexes (e.g.: math 0–13, science 14–24). This way, I can more efficiently figure out where to save and call the data.