The artifact that I have been using for my final project is all about giving students the ability to register for classes and administrators the ability to add students, administrators and classes. I am using the same artifact throughout this semester because it is a great project to take from a bare bones application and expand to a high functionality piece of software. This artifact fulfills the requirements of data structures by creating a list of classes that is imported from the classes table of the MS SQL database. In the process of updating the project this week I couldn’t add the algorithmic functionality I wanted, such as sorting the data structure, but since I have already added the database to the project I will spend more time into adding the algorithms into the project.

While I was improving this artifact I ran into a problem with giving each student a unique email address. This is partly caused by having the wrong query to the student table to grabbing and comparing previous email addresses to the potential new one.