CIS 598 Project Writeup

The project would be a diabetic management system that would help a diabetic in having keep management with their diabetes. It should have a way to input the data for a diabetic’s information to do calculations and to dynamically adjust an information that the user wants to know. Some use cases would be that you should enter what your blood sugar, date, and time and should record the entry. Another would be a failure to ensure that there is not a negative number and should not be accepted as data.

**Minimum Viable Product**

To be able to take data such as blood sugar levels at a time and organizes the data. Then the program takes the data and takes does calculations for A1C and overall range of how the blood glucose is going.

**Version 1.0 (Must have)**

This version should have all the ways to input data so that a proper way of managing the persons diabetes works and to give real time management of their diabetes and would give recommendations to the user. It should also be using some API to connect of databases of nutritional facts to calculate the current blood sugar and of factors to give a how much insulin to give the person.

**Version 2.0 (Should have)**

An app version to be more usable for the user to collect and give data while moving. Another would be an API to have the app or program connect to the doctor for more accurate information.

(Rough) Timeline:

* September 19: UML class diagram SQL diagrams and other initial diagrams currently to complete (Will be modified later.)
* September 30: Minimum stages of the project would be made and tested.
* October 3: Presentation 1
* Mid to Late October: More of the program in version 1.0 to be done. Would be tested and either modified, cleaned up, or removed.
* November 14: Presentation 2
* December 5: Final Artifacts Discussion