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## **Incremental Development**

1<sup>st</sup> Version – System can allow user to enter credentials and their user type (student, instructor, admin). Allows user specific choices corresponding to their user type; A text will be printed onto the screen after user selects an action that indicates that the action has been performed. No specific database will be needed during this version as this version is to ensure the basic functionality of program is created.

2<sup>nd</sup> Version – System now has a database of each student and class alongside a class list that displays the student names in each class. The actions of each user can now properly call upon data within the database to print out to user but information such as student and class removals/additions will not be saved onto the database; This means that the class list will not be updated after a user is added or removed and a schedule will not update classes added or removed.

3<sup>rd</sup> Version – System will now save changes made after a user of a specific type performs an action and database will update accordingly. Also, depending on the credentials of the user, if they are found within the database, information about their schedule must be printed out when requested and it must be correct information.

Final Version – The system should now work for 100 students, 10 instructors, and 1 admin. When the correct credentials are entered, a user from the database containing all the students, instructors, admin should be assigned to the user with all the correct information about their classes and/or students. Any changes made will be saved onto the database so that the next time request information about the class list or class schedule, the properly updated information will be given.