

Integration:

<b>Requirements:</b> The system must function as a scheduling system for a school. This includes the creation of 2 classes, holding users and courses respectively. Users will be divided into three subclasses, including Students, Instructors, and Administrators. Each type of user has their own methods. The final product will include 100 Students, 10 instructors, and 1 admin.	<b>Component:</b> Existing software includes many schools scheduling systems, including Wentworth's. This may be studied to base the system around. Another outside source that may be used is a preexisting database of users and courses.	<b>Modifications:</b> Applying existing scheduling system formats would include incorporating design ideas. However, this may be more difficult than using an existing database.
<b>Design:</b> Incorporate an existing database into the above classes. This would allow for a user to access an existing account without having to store the database within the main function.	<b>Development:</b> After incorporating the database, each user must be able to access their required methods and call functions as needed.	<b>Validation:</b> Validation will be done by running a main function that allows the user to choose which subclass they are, then have the choice which method they would like to call. This should be tested with each subclass. The user will also have the option to exit.