Waterfall Model

Tasks:

Requirements Definition:

* Database for many users
* Database for courses
* Three types of base class user( student instructor and admin) with their varying attributes

Software design

* Using different classes for each of the different types of users that are child classes of the user class
* Two separate databases for users and courses

Implementation

* All database functions are correctly made for the two databases
* User class can access databases and has all working methods
* Student class can access databases correctly and has all working methods
* Instructor class can access databases correctly and has all working methods
* Admin class can access databases correctly and has all working methods

Integration

* Admin class is able to control other classes in the correct way in databases
* Instructor class is able to control other classes in the correct way in databases

Maintenance

* The database is able to be modified and users can be added or removed all functions are tested and if a function does not work, return to the step were it was created