* Waterfall Model
  + Requirement Analysis
    - Building a scheduling system that is like Leopard Web
    - Should work for 100 students, 10 instructors and 1 admin
    - System should include multiple semesters, print out of schedule, scheduling preferences
  + System Design
    - The system will be written in python.
    - It will use classes and inheritance to build the system.
    - There is 1 base class to describe all the members of this database. They will all have a first name, last name, and ID.
    - There will be three derived classes that will be for the students, instructors, and the admin.
  + Implementation and unit testing
    - Test by adding 1 student, 1 teacher and an admin separately
    - Test the capabilities of each type of user individually
    - Check if the student can add classes, see available courses and their own schedule
    - Check to see if the instructors can see available courses and their own course roster
    - Check to see if the admin can see everything
  + Integration and unit testing
    - Integrate the student, teacher, and admin all at once
    - Put 5 students, 2 teachers and 1 admin
    - Input a couple of courses for these students to be in, and test the functionality of the classes
  + Operation and maintenance
    - Install the system with 100 students, 10 instructors and 1 admin