

— User —

Admin

there's only one instance of Admin in this project

Prof. Bari specified this in class, so that's why I used a lot of static method for Admin.

Student

can be instantiated

Course

can be accessed through both Admin and student but only modified by Admin

Main

2 ArrayLists being serialized
- CourseList
- StudentList

• workflow.

— Upload data: ① if ser files exists, upload arraylists.
② if not, read csv.

— Log in : as ① Admin or as ② student

↓
adminsession()

12 options

↓
studentsession()

— save data

• concepts.

Method overloading : in UserClass I had 2 constructors.

method overriding : compareTo, methods in Admin override those in interface.

Abstract Class : User is an abstract class for Admin & Student.

Inheritance : Admin and Student inherit User.

Encapsulation : instance methods in every class are encapsulated in that specific class.

Abstract Data Types : The user doesn't need to be bothered with the implementation. They only need to provide input.