Allen Lin

Data Structures

Dr. Bari

▪Method overriding (give at least two examples)

Admin and Student Class methods overrode the AdminControls interface and StudentControls interface

▪Abstract Class

User class was the abstract class, was extended to Student and Admin classes.

▪Inheritance

The User and Admin constructor inherits the Abstract Class data types (username, lastname, firstname, lastname) with the function super (username, lastname, firstname, lastname)

 ▪Polymorphism

Admin is instantiated by the function User admin1 = **new** Admin(parameters);

 ▪Encapsulation

All class variables are declared private. Setters and getters methods are used to retrieve and edit the values.

▪The concept of ADT (Abstract Data Types)

The interfaces of Admincontrols and Studentcontrols declared the Admin and Student class methods but have not implemented it. This is ADT.