

Rubrics of Usage

- (I) Overloaded methods: Used for addAssignment and setMaxCapacity in Course
- (II) Overloaded constructors: Used in Assignment and Student
- (III) Vararg overloading: Used in addCourse and addAssignment methods
- (IV) Nested classes: Course has a nested class KeyPair
- (V) Abstract class: Person
- (VI) Interface: TimeSlot
- (VII) Hierarchical Inheritance: Done for person, instructor and student
- (VIII) Multiple Inheritance: N/A
- (IX) Wrappers: Used while defining hashmaps.
- (X) Package: Used in various classes to import functions and methods related to arraylists and hashmaps.
- (XI) Exception handling: Used in person abstract class for handling 2 cases where password is < 8 characters, password does not contain special or capital letters
- (XII) I/O: File Handling, scanner class etc: N/A
- (XIII) Multithreading: Done in the main function of instructor class