The logical view class diagram which shows the different user, enrollment and course classes as well as the functions and methods which they are able to access

Enrollments

id: Int
studentNo: String
name: String
surname: String
subject: String
unitCode: String
session: String
classSection: Enum
expiryDate: Date
status: String
courseId: Int

insertEnrollment()
getAllEnrollments()
getCourseList()
deleteEnrollment()
deleteAllCourseEnroolments()
getAllCourseEnrollments()
getCourseEnrollmentCount()
getEnrollment()
updateEnrollment()
updateEnrollmentWhenCourseChange()

Users

userID: String
userPassword: String
userRole: String

getUser()
validateUser()
getUserID()
getUserRole()
getUserPassword()

Inheritance

StandardUser

userID: String
userPassword: String
userRole: String

getAllEnrollments()
getCourseList()
getEnrollment()
getAllCourses()
getCourse()

AdminUser

userID: String
userPassword: String
userRole: String

insertEnrollment()
getAllEnrollments()
getCourseList()
deleteEnrollment()
deleteAllCourseEnroolments()
getAllCourseEnrollments()
getCourseEnrollmentCount()
getEnrollment()
updateEnrollment()
updateEnrollmentWhenCourseChange()
insertCourse()
getCourseList()
deleteCourse()
getCourse()
updateCourse()

Courses

unitCode: String
courseID: Int
courseName: String

insertCourse()
getAllCourses()
getCourseList()
deleteCourse()
getCourse()
updateCourse()

<<Enumeration>>

User Role

Admin

User