Student

User ID: Integer
UserName: String
password: String
email : String

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login ( )
Signup ( )
update Details ( )
get User ID ( )
set User ID ( )
get UserName ( )
Set UserName ( )
get Password ( )
Set Password ( )
get Email ( )
set Email ( )
enroll In Course ( )
Submit Assignment ( )
seeGrades ( )

Teacher

User ID: Integer
UserName: String
password: String
email : String

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login ( )
Signup ( )
update Details ( )
get User ID ( )
set User ID ( )
get UserName ( )
Set UserName ( )
get Password ( )
Set Password ( )
get Email ( )
Set Email ( )
Create Assignment ( )
grade Assignment ( )

Admin

User ID: Integer
UserName: String
password: String
email : String

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login ( )
Signup ( )
update Details ( )
get User ID ( )
set User ID ( )
get UserName ( )
Set UserName ( )
get Password ( )
Set Password ( )
get Email ( )
set Email ( )
Create Course ( )
accept StudentForCourse ( )

Course

courseID: Integer
courseName: String
courseDescription: String

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getCourseID: Integer
setCourseID(courseID: Integer)
getCourseName: String
setCourseName(courseName: String)
getCourseDescription: String
setCourseDescription(courseDescription: String)

Assignment

assignmentID: Integer
assignment Type: String (Quiz/Essay)
description: String

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getAssignmentID0: Integer
setAssignmentID(assignmentID: Integer)
getAssignment Type: String
setAssignment Type(assignment Type: String)
getDescription): String
setDescription: String
setGrade: Double
getGrade: Double

Grade

gradeID: Integer
assignmentID: Integer
studentID: Integer
gradeValue: Double

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getGradeID: Integer
setGradeID(gradeID: Integer)
getAssignmentID: Integer
setAssignmentID(assignmentID: Integer)
getStudentID: Integer
setStudentID(studentID: Integer)
getGradeValue): Double
setGradeValue(gradeValue: Double)

Relationships (as labeled on diagram):
- enroll / have ▷ (1..* — 1..*)
- teach / have ▷ (1..1 — 1..*)
- take ▷ / have ◁ (1..* — 0..1)
- associate / post (1..1 — 0..*)
- create ▷ / have ▷ (1..1 — 1..*)
- see ▷ (1..* — 1..*)
- give ▷ (0..* — 1..*)