LMS Class Diagram (UML)

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Student
+student_ID
+student_name
+registered_courses
+exam_scores
+current_GPA
+username
+password

+queryCourses()
+queryGrades()

Query_Students
+student_ID
+student_name

+queryStudents()

Admin
+username
+password

+addStudent()
+dropStudent()
+queryStudents()
+addCourse()
+dropCourse()
+changeGrades()
+queryGrades()
+addAssignment()
+dropAssignment()

Drop_Assignment
+assignment_name

+dropAssignment()

Add_Assignment
+assignment_name
+assignment_grade
+assignment_due_date

+addAssignment()

Current_Courses
+course_ID
+course_title
+course_date
+course_time

+queryCourses()

Current_Grades
+current_GPA
+exam_scores

+queryGrades()

Current_GPA
+exam_scores

+calculateGPA()

Drop_Student
+student_ID

+dropStudent()

Add_Student
+student_ID
+student_name
+username
+password

+addStudent()

Drop_Course
+course_ID

+dropCourse()

Add_Course
+course_ID
+course_title
+course_date
+course_time

+addCourse()

Current_Assignments
+assignment_name
+assignment_grade
+assignment_due_date

+queryAssignments()

Change_Grade
+assignment_name
+assignment_grade

+changeGrade()

manages — 1...* / 1
+provides access to
+modifies