Team Urameshi
UML + Sequence Diagrams

User

- Name:String
- userName:String
- userPassword:String
- userEmail:String

+ Login(): bool
+ ViewLessons(): String

Student

- grades: double[]
- ceretificates: String[]

+ takeQuiz(): void
+ takeExam(): void
+ viewGrades(): double
+ viewCeretificates(): String

Teacher

- teacherID: Int

+ AddLesson(String question, String answer): void

Admin

- adminID: int

+ removeUser(): void

Lesson

+ counter: int
+ name: String
- question: String
- answer: String
- grade: double

+ displayQuestion(): String
- gradeQuiz(): double

Module

- lesson: ArrayList<Lesson>
- position: int

+ hasNext(): bool
- next(): lesson

Python

+ trophies: String[]

+ addTrophy(String trophy):void
+ displayTrophies(): String

JavaScript

+ badges: String[]

+ addBadge(String badge):void
+ displayBadges(): String

C#

+ medals: String[]

+ addMedal(String medal): void
+ displayMedals(): String

Exam

- name: String
- exam: lessonArray[]

+ gradeExam(): double
+ getCertification(): bool

Admin

Learning Management System

Registered User

Module

Lesson

Exam

Grades

Login

Registered User

Create Module

Create Module

Create Lesson

Create Lesson

Create Exam

Create Exam

Check or Change Grades

Check or Change Grades

Grades

Grades

Remove User

Remove User

Student

Learning Management System

Registered User

Module

Lesson

Exam

Grades

Login

Verify login

Confirm user

Registered User

Check Grades

Check Grades

View Modules

Take exam

Take exam

Check Grades

Grades

Return Modules

Grab Lessons

View Lessons

Take Quiz

Pull Quiz infomation

Logout