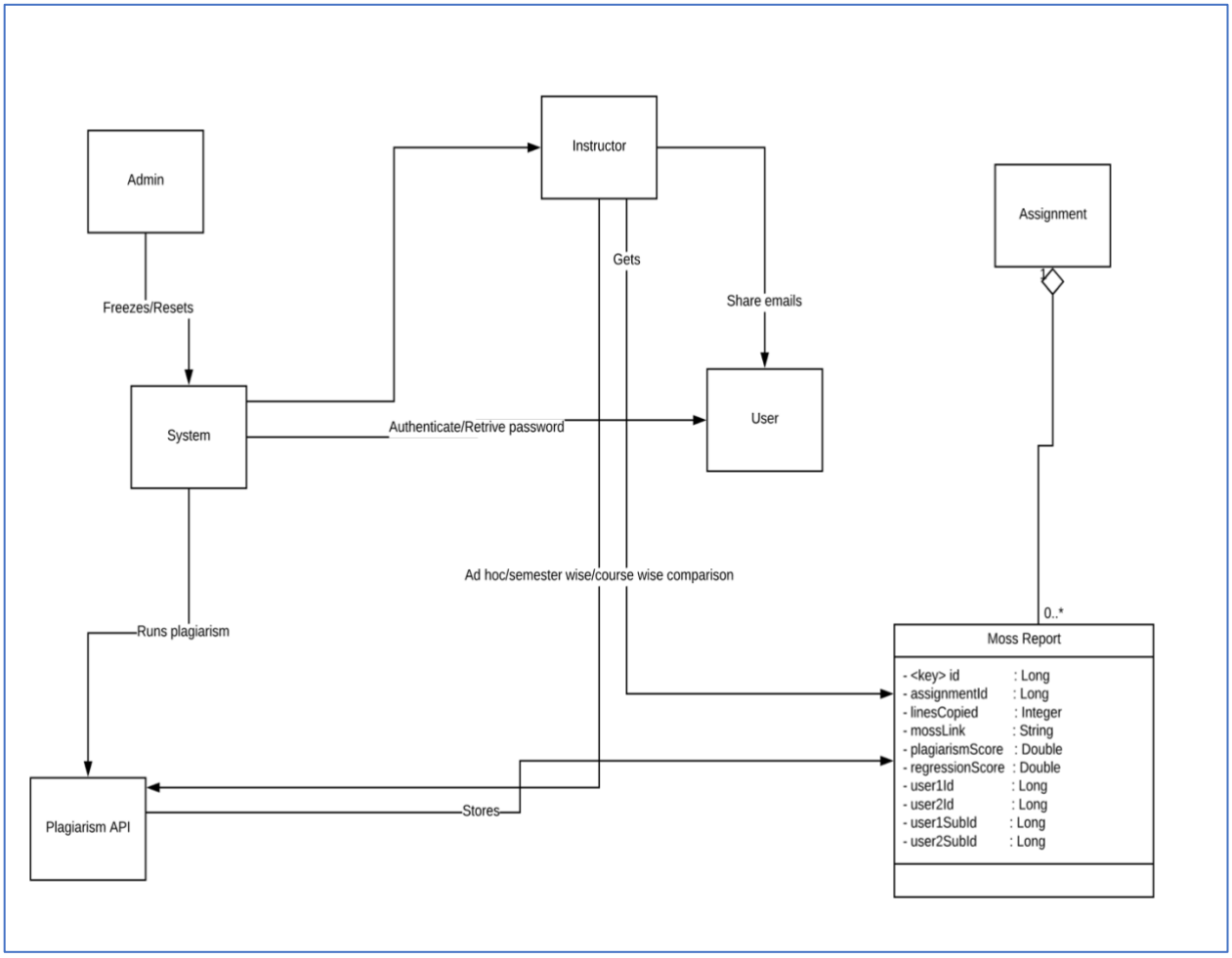
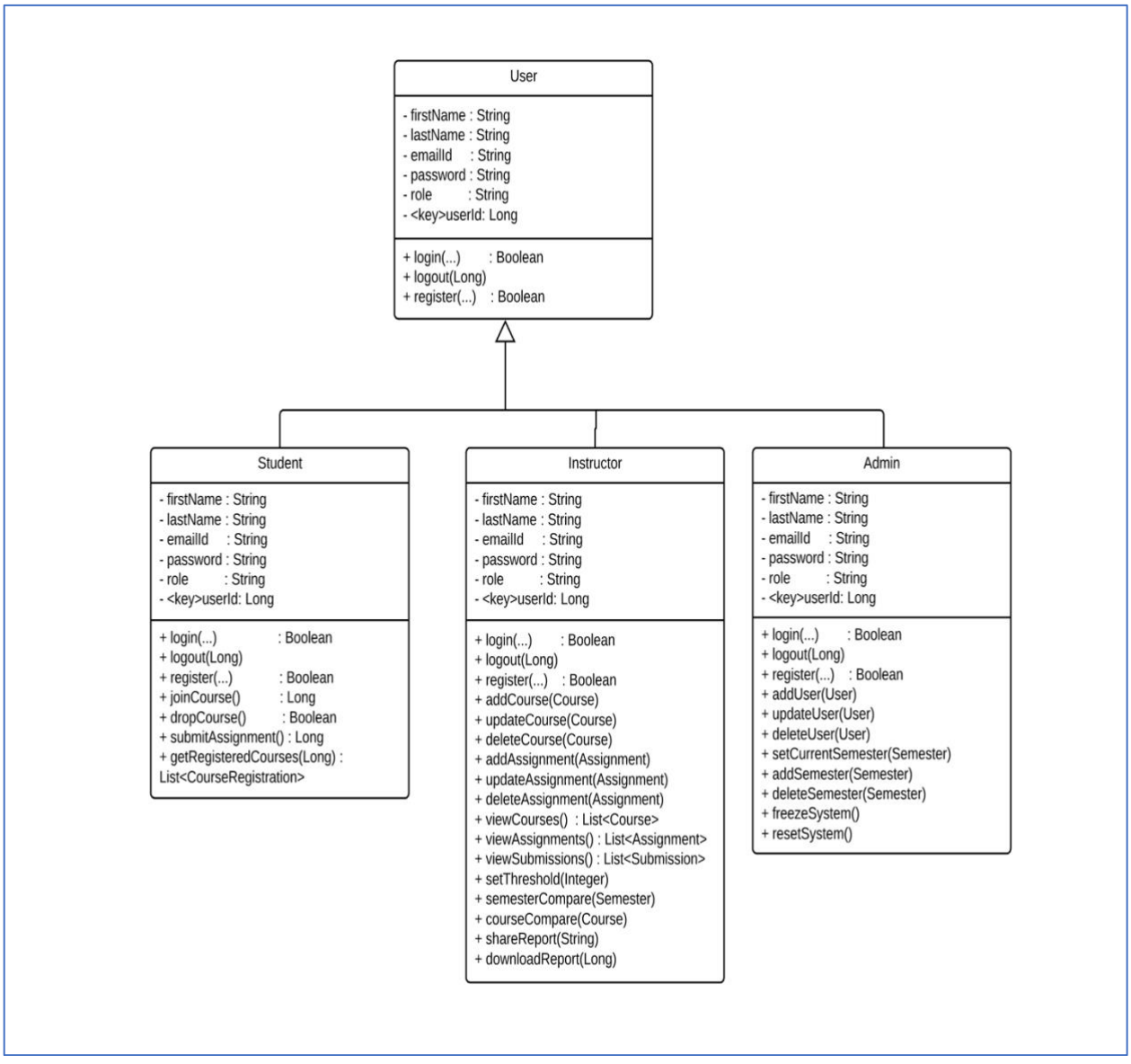
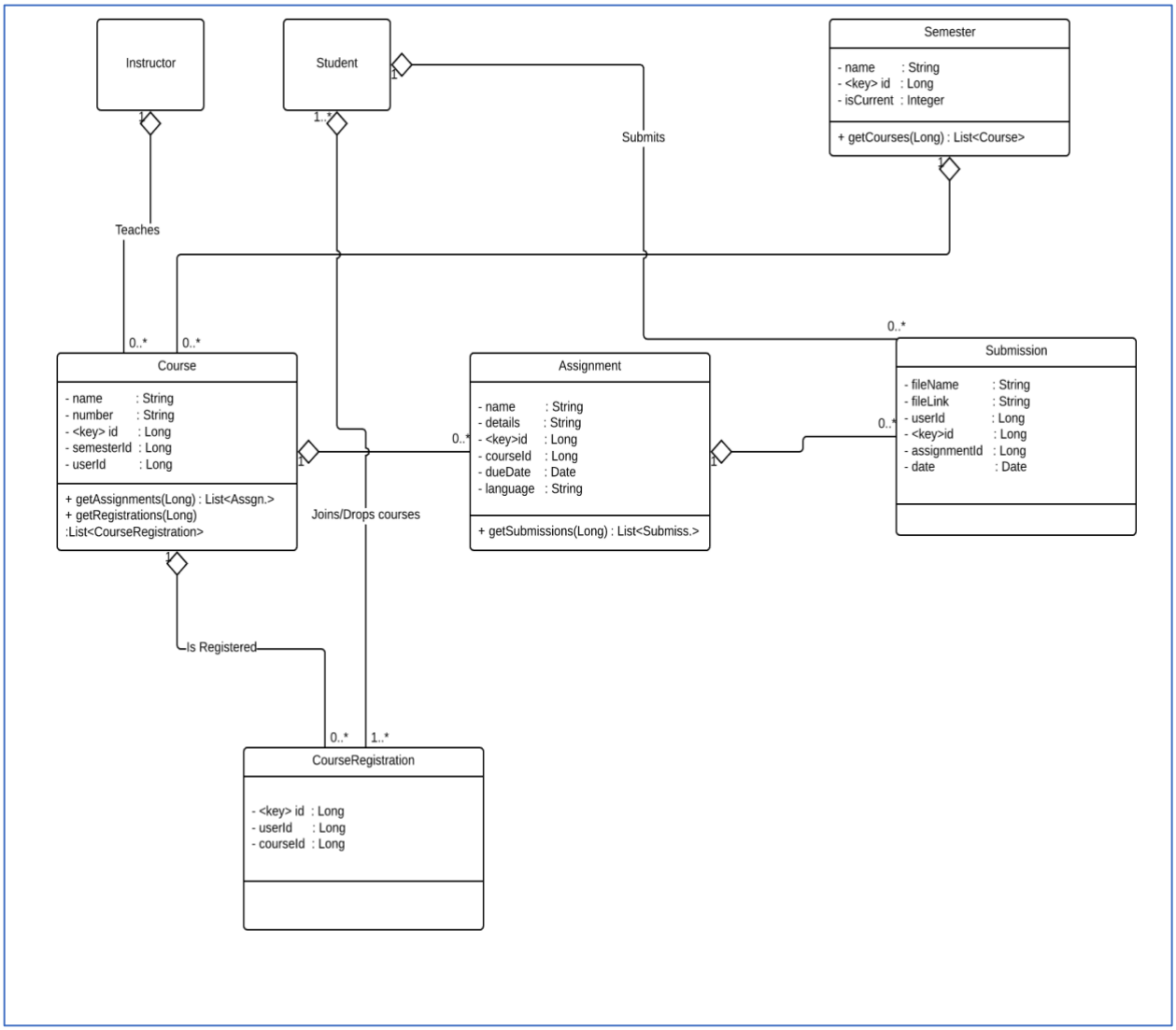
UML DIAGRAMS

1. System Overview



2. Users:


User
- firstName : String
- lastName : String
- emailId : String
- password : String
- role : String
- <key>userId: Long
+ login(...) : Boolean
+ logout(Long)
+ register(...) : Boolean
Student
- firstName : String
- lastName : String
- emailId : String
- password : String
- role : String
- <key>userId: Long
+ login(...) : Boolean
+ logout(Long)
+ register(...) : Boolean
+ joinCourse() : Long
+ dropCourse() : Boolean
+ submitAssignment() : Long
+ getRegisteredCourses(Long) : List<CourseRegistration>
Instructor
- firstName : String
- lastName : String
- emailId : String
- password : String
- role : String
- <key>userId: Long
+ login(...) : Boolean
+ logout(Long)
+ register(...) : Boolean
+ addCourse(Course)
+ updateCourse(Course)
+ deleteCourse(Course)
+ addAssignment(Assignment)
+ updateAssignment(Assignment)
+ deleteAssignment(Assignment)
+ viewCourses() : List<Course>
+ viewAssignments() : List<Assignment>
+ viewSubmissions() : List<Submission>
+ setThreshold(Integer)
+ semesterCompare(Semester)
+ courseCompare(Course)
+ shareReport(String)
+ downloadReport(Long)
Admin
- firstName : String
- lastName : String
- emailId : String
- password : String
- role : String
- <key>userId: Long
+ login(...) : Boolean
+ logout(Long)
+ register(...) : Boolean
+ addUser(User)
+ updateUser(User)
+ deleteUser(User)
+ setCurrentSemester(Semester)
+ addSemester(Semester)
+ deleteSemester(Semester)
+ freezeSystem()
+ resetSystem()

3. Course Structure: