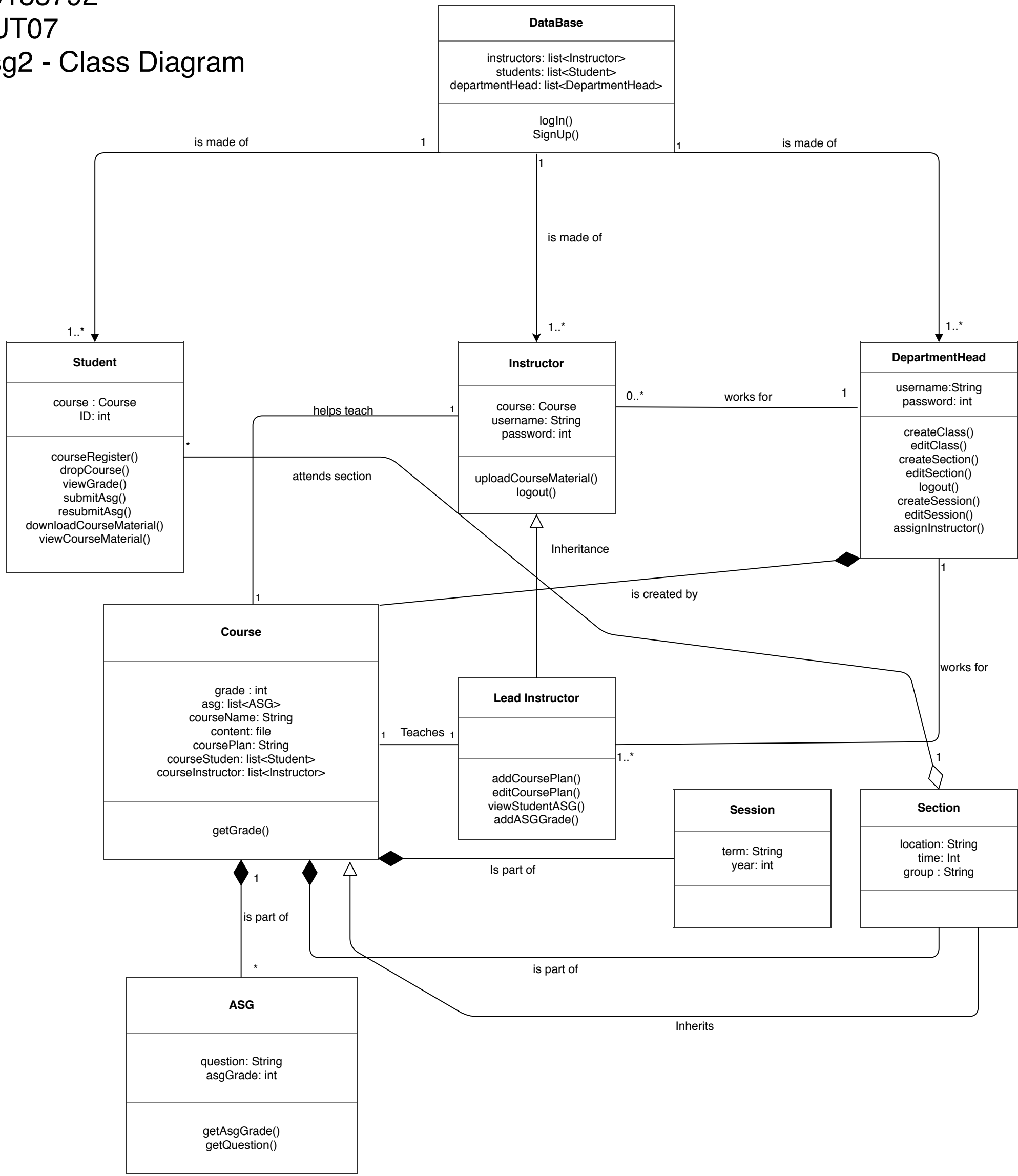Steven Canon-Almagro
10155792
TUT07
asg2 - Class Diagram

DataBase

instructors: list<Instructor>
students: list<Student>
departmentHead: list<DepartmentHead>

logIn()
SignUp()

is made of   1   1   is made of

is made of

1

1..*   1..*   1..*

Student

course : Course
ID: int

courseRegister()
dropCourse()
viewGrade()
submitAsg()
resubmitAsg()
downloadCourseMaterial()
viewCourseMaterial()

Instructor

course: Course
username: String
password: int

uploadCourseMaterial()
logout()

helps teach   1

attends section

0..*   works for   1

DepartmentHead

username:String
password: int

createClass()
editClass()
createSection()
editSection()
logout()
createSession()
editSession()
assignInstructor()

Inheritance

is created by

works for

Course

grade : int
asg: list<ASG>
courseName: String
content: file
coursePlan: String
courseStuden: list<Student>
courseInstructor: list<Instructor>

getGrade()

1   Teaches   1

Lead Instructor

addCoursePlan()
editCoursePlan()
viewStudentASG()
addASGGrade()

1..*

Session

term: String
year: int

1

Section

location: String
time: Int
group : String

Is part of

is part of   1

1   *

is part of

ASG

question: String
asgGrade: int

getAsgGrade()
getQuestion()

Inherits

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asg2 - Sequence Diagram

Adding a course

Deptartment Head

:Database   **:Course**   **:LeadInstructor**   **:Section**

logIn

addCourse

assignInstructor

addSection

logOut

editCourse

editSection

course already exists

Wrong username or password

Course added