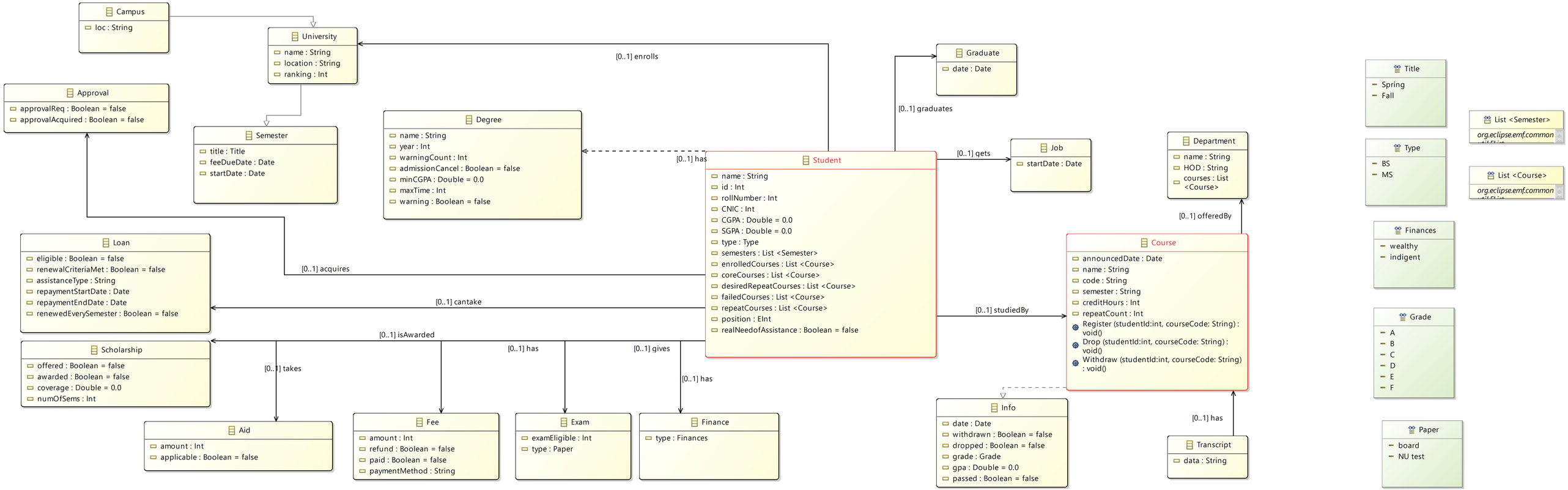
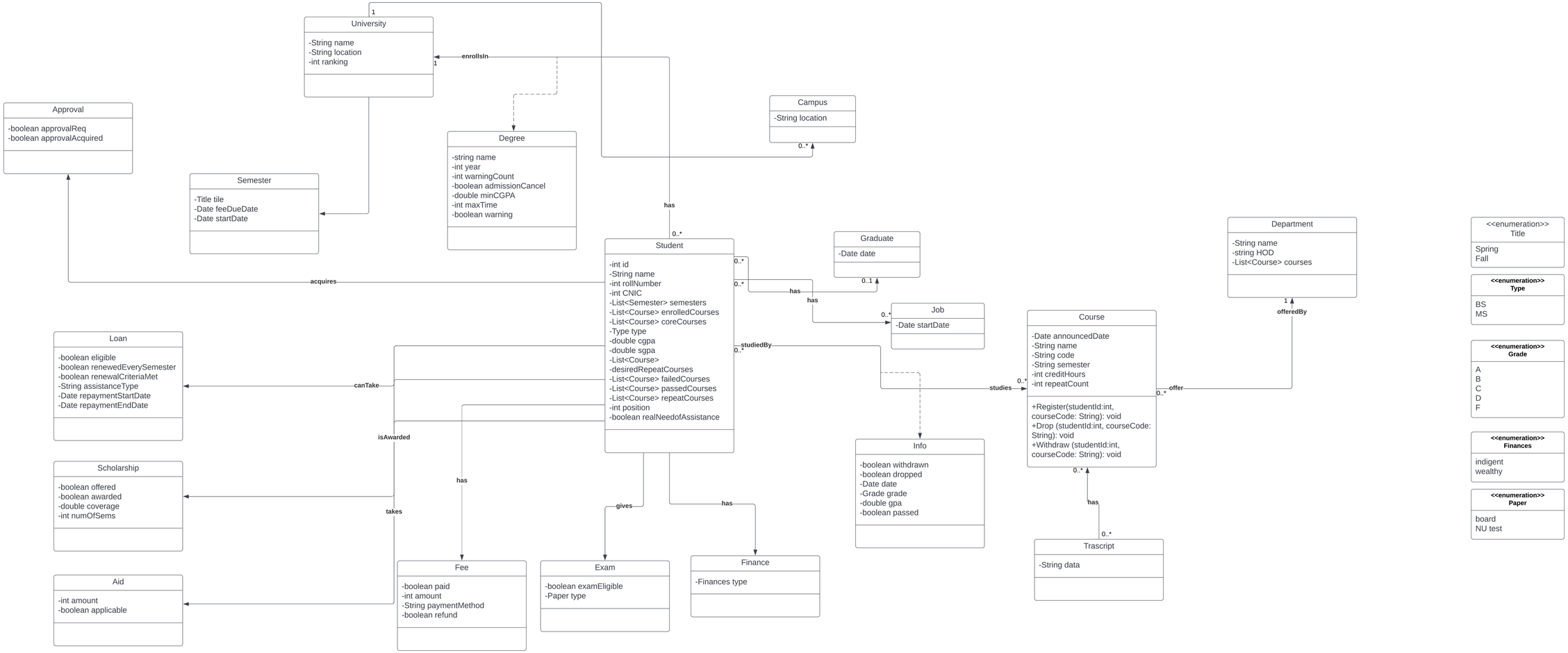

Campus
loc : String
University
name : String
location : String
ranking : Int
[0..1] enrolls
Graduate
date : Date
[0..1] graduates
Approval
approvalReq : Boolean = false
approvalAcquired : Boolean = false
Semester
title : Title
feeDueDate : Date
startDate : Date
Degree
name : String
year : Int
warningCount : Int
admissionCancel : Boolean = false
minCGPA : Double = 0.0
maxTime : Int
warning : Boolean = false
[0..1] has
Student
name : String
id : Int
rollNumber : Int
CNIC : Int
CGPA : Double = 0.0
SGPA : Double = 0.0
type : Type
semesters : List <Semester>
enrolledCourses : List <Course>
coreCourses : List <Course>
desiredRepeatCourses : List <Course>
failedCourses : List <Course>
repeatCourses : List <Course>
position : EInt
realNeedofAssistance : Boolean = false
[0..1] gets
Job
startDate : Date
Department
name : String
HOD : String
courses : List <Course>
[0..1] offeredBy
Title
Spring
Fall
List <Semester>
org.eclipse.emf.common
Type
BS
MS
List <Course>
org.eclipse.emf.common
Finances
wealthy
indigent
Loan
eligible : Boolean = false
renewalCriteriaMet : Boolean = false
assistanceType : String
repaymentStartDate : Date
repaymentEndDate : Date
renewedEverySemester : Boolean = false
[0..1] acquires
[0..1] cantake
Course
announcedDate : Date
name : String
code : String
semester : String
creditHours : Int
repeatCount : Int
Register (studentId:int, courseCode: String) : void()
Drop (studentId:int, courseCode: String) : void()
Withdraw (studentId:int, courseCode: String) : void()
[0..1] studiedBy
Grade
A
B
C
D
E
F
Scholarship
offered : Boolean = false
awarded : Boolean = false
coverage : Double = 0.0
numOfSems : Int
[0..1] isAwarded
[0..1] takes
[0..1] has
[0..1] gives
[0..1] has
Aid
amount : Int
applicable : Boolean = false
Fee
amount : Int
refund : Boolean = false
paid : Boolean = false
paymentMethod : String
Exam
examEligible : Int
type : Paper
Finance
type : Finances
Info
date : Date
withdrawn : Boolean = false
dropped : Boolean = false
grade : Grade
gpa : Double = 0.0
passed : Boolean = false
[0..1] has
Transcript
data : String
Paper
board
NU test


University
-String name
-String location
-int ranking
enrollsIn
1
1
Approval
-boolean approvalReq
-boolean approvalAcquired
Semester
-Title tile
-Date feeDueDate
-Date startDate
Degree
-string name
-int year
-int warningCount
-boolean admissionCancel
-double minCGPA
-int maxTime
-boolean warning
Campus
-String location
0..*
has
0..*
Student
-int id
-String name
-int rollNumber
-int CNIC
-List<Semester> semesters
-List<Course> enrolledCourses
-List<Course> coreCourses
-Type type
-double cgpa
-double sgpa
-List<Course>
-desiredRepeatCourses
-List<Course> failedCourses
-List<Course> passedCourses
-List<Course> repeatCourses
-int position
-boolean realNeedofAssistance
acquires
Graduate
-Date date
0..1
has
0..*
0..*
has
0..*
Job
-Date startDate
studiedBy
0..*
Department
-String name
-string HOD
-List<Course> courses
1
offeredBy
<<enumeration>>
Title
Spring
Fall
<<enumeration>>
Type
BS
MS
<<enumeration>>
Grade
A
B
C
D
F
<<enumeration>>
Finances
indigent
wealthy
<<enumeration>>
Paper
board
NU test
Loan
-boolean eligible
-boolean renewedEverySemester
-boolean renewalCriteriaMet
-String assistanceType
-Date repaymentStartDate
-Date repaymentEndDate
canTake
isAwarded
Scholarship
-boolean offered
-boolean awarded
-double coverage
-int numOfSems
takes
Aid
-int amount
-boolean applicable
has
Fee
-boolean paid
-int amount
-String paymentMethod
-boolean refund
gives
Exam
-boolean examEligible
-Paper type
has
Finance
-Finances type
Info
-boolean withdrawn
-boolean dropped
-Date date
-Grade grade
-double gpa
-boolean passed
studies
0..*
Course
-Date announcedDate
-String name
-String code
-String semester
-int creditHours
-int repeatCount
+Register(studentId:int, courseCode: String): void
+Drop (studentId:int, courseCode: String): void
+Withdraw (studentId:int, courseCode: String): void
offer
0..*
0..*
has
0..*
Trascript
-String data