Relational schema

User(id, first\_name, last\_name, password, gender, email, address)

User\_mobile(user, mobile\_number)

User\_mobile.user references User.id

Student(id, gpa)

Admin(id)

Instructor(id, rating)

Promo\_code(code, issue\_date, expiry\_date, discount\_amount, issuer)

Promo\_code.issuer references Admin.id

Credit\_card(number¸ card\_holder\_name, expiry\_date, cvv)

Course(id, accepted, name, likes, credit\_hours, description, price, content)

Comment(course, id, text)

Comment.course references Course.id

Assignment(course, number, deadline, full\_grade, content, weight, type)

Assignment.course references Course.id

Student\_Promo(student, code)

Student\_Promo.student references student.id

Student\_Promo.code references Promo\_code.code

Student\_rate\_Instructor(student, instructor, value)

Student\_rate\_Instructor.student references student.id

Student\_rate\_Instructor.instructor references Instructor.id

Student\_Card(student, card)

Student\_Card.student references student.id

Student\_Card.card references Credit\_card.number

Student\_pays\_Course(student, course, card)

Student\_pays\_Course.student references student.id

Student\_pays\_Course.course references Course.id

Student\_pays\_Course.card references Credit\_card.number

Student\_Certificate(student, course, issue\_date)

Student\_Certificate.student references student.id

Student\_Certificate.course references Course.id

Instructor\_teaches\_Student(instructor, student, course)

Instructor\_teaches\_Student.instructor references Instructor.id

Instructor\_teaches\_Student.student references Student.id

Instructor\_teaches\_Student.course references Course.id

Student\_Assignment(student, course, assignment\_id, grade)

Student\_Assignment.student references Student.id

Student\_Assignment.course references Course.id

Student\_Assignment.assignment\_id references Assignment.number

Instructor\_Add\_Instructor(id1, id2, course)

Instructor\_Add\_Instructor.id1 references Instructor.id

Instructor\_Add\_Instructor.id2 references Instructor.id

Instructor\_Add\_Instructor.course references Course.id

Student\_comment(student, course,comment\_id, text)

Student\_comment.student references Student.id

Student\_comment.course references Course.id

Student\_comment.comment\_id references Comment.id

Prerequisite(id1, id2)

Prerequisite.id1 references Course.id

Prerequisite.id2 references Course.id