

Relational scheme

Users (UID, Password, Email, Gender, First _name, Last _name, address)

UserPhone (UID, Phone)

UserPhone.UID references Users. UID

Admin (UID)

admin.UID references Users

Instructor (UID, Average Rate, ID)

Instructor. UID references Users

Instructor. ID references instructor

Where average Rate is the average of the rates given to the instructor by the students

Student (UID, GPA)

Student.UID references Users

Where GPA is the average of the grades of the student in the courses he/she enrolled in

Course (Name, CID, Price, Content, Course _Description, Credit _Hours)

Credit card (Cnumber, card _holder _name, expiry _date, CVV)

Promo code (code, issue _date, expiry _date, discount _account, AID)

Promo code. AID references Admin

Feedback (numb _likes, FID, CID)

Feedback.CID references course

Comments(comments, FID, CID)

Comments. CID references course

Certificate (issue _date, serial, CID, SID)

Certificate.CID references course

Certificate.SID references student

Assignment (CID, Anumber, weight, deadline, type, content)

Assignment.CID references course

Accept _course (AID, CID, Acceptance)

Accept_course.AID references Admin

Accept_course.CID references course

Rate_instructor (SID,IID,rating)

Rate_instructor.SID references student

Rate_instructor.IID references instructor

taught (IID, SID, CID, full_course_grade)

Taught. IID references instructor

Taught. SID references student

Taught. CID references course

Where full_Course_grade is (quizzes grade/quizzes total) *quizzes weigh + (exams grade/exams total) *exams weigh+ (projects grade/projects total) *projects weigh.

Used_card (SID, Cnumber)

Used_card.SID references student

Used_card.Cnumber references credit card

Receive (CID, SID,_serial,CID1,SID1)

Receive .CID references course

Receive .SID references student

Receive .CID1 references course

Receive .SID1 references student

Receive .serial references certificate

Take_assignment(SID,CID,number,full_grade,student_grade,percentage)

Take_assignment.SID references student

Take_assignment.CID references course

Take_assignment.number references assignment

Where percentage is (assignment grade/assignment total) *weight

Prerequisites (CID,CID1)

Prerequisites.CID references course

Prerequisites.CID1 references course

