

User (id , gender , email , password , address , f_name , l_name)

Phone (number , id)

Phone.id references user.id

Student(id , GPA)

Student.id references User.id

Instructor(id , rate)

Instructor.id references User.id

admin(id)

Admin.id references user.id

Course (id , content , price , description , name , credit hours)

Credit Card (number , CVV , expiry_date , holder_name)

Promo_code (code , issue_date , expiry_date , discount_amount)

Feedback (fid , cid , likes_number)

Feedback.cid references course.id

Comments (cid , fid , content)

Comments.fid references feedback.fid

Assignment (assignment_id , cid , weight , type , full_grade , content)

Assignment.cid references course.id

Certificate (issue_date , sid , cid)

Certificate.sid references student.id

Certificate.cid references course.id

Invite (In_id1 , In_id2 , cid)

Invite.In_id1 references Instructor.id

Invite.In_id2 references Instructor.id

Invite.cid references course.id

Give (grade , Assignment_id , In_id)

Give.assignment_id references Assignment.assignment_id

Give.In_id references Instructor.Id

Upload (In_id , cid)

Upload.In_id references Instructor.id

Upload.cid references Course.id

Take (is_finished , cid , sid , In_id)

Take.cid references Course.Id

Take.sid references Student.id

Take.In_id references Instructor.id

Review (is_accepted , Ad_id , cid)

Review.Ad_id references Admin.id

Review.cid references Course.id

Solve (sid , Assignment_id)

Solve.sid references Student.id

Solve.Assignment_id references Assignment.assignment_id

Pay (sid , card_id)

Pay.sid references Student.id

Pay.card_id references Card.number

Issue (Ad_id , promo)

Issue.Ad_id references Admin.id

Issue.promo references Promo_Code.code

Use (sid , promo)

Use.sid references Student.id

Use.promo references Promo_code.code

Post (sid , fid)

Post.sid references Student.id

Post.fid references Feedback.fid

Add (sid , comment_id)

Add.sid references Student.id

Add.comment_id references Comment.cid

Apply_discount (cid , promo)

Apply_discount.cid references Course.id

Apply_discount.promo references Promo_code.code

Prerequisite (cid1 , cid2)

Prerequisite.cid1 references Course.id

Prerequisite.cid2 references Course.id