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# DATABASE SCHEMA

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Youssef Alaa 46-7368 T-22  
Mohamed Yehia 46-0916 T-20  
Yousef Magdy 46-2387 T-22  
Ahmed Faramawy 46-4071 T-22



User (ID, Gender, Password, Email, Address, First Name, Last Name)

UserPhone (ID, Phone)

UserPhone.ID references User.ID

Admin (ID).

Admin. ID references User.ID

Instructor (ID)

Instructor. ID references User.ID

Add(ID\_instructor1, Course\_ID, ID\_instructor2)

Add. ID\_instructor1 References Instructor.ID

Add. ID\_instructor2 References Instructor.ID

Add.Course\_ID References Course.ID

Student (ID, GPA)

Student.ID references User.ID

Where GPA to be calculated

Course (ID, Name, description, Price, content, Credit hours,  
Admin\_ID)

Course.Admin\_ID references Admin.ID

Assignment (Number, ID, Weight, Deadline,  
Content, Type, Instructor\_ID)

Assignment.ID references Course.ID

Instructor\_ID references Instructor.ID

Promo Code (Code, Issue date, Discount, Expiry Date)

Credit Card (Number, Card holder name, CVV, Expiry date)

Certificate (Issue date, Course ID, Student\_ID)

Certificate.ID references Course.ID

Certificate.Student\_ID references Student.ID

Feedback (Like, Course\_ID, Feedback Number, Comment)

Feedback.Course\_ID references Course.ID

Search (User\_ID, Course\_ID)

Search.User\_ID references User.ID

Search.Course\_ID references Course.ID

Enroll (Student\_ID, Course\_ID, FinalGrade)

Enroll.Student\_ID references Student.ID

Enroll.Course\_ID references Course.ID

Where FinalGrade to be calculated

Add (Student\_ID, Number)

Add.Student\_ID references Student.ID

Add.Number references Credit Card.Number

Rate (Instructor\_ID, Student\_ID, Rating)

Rate.Instructor\_ID references Instructor.ID

Rate.Student\_ID references Student.ID

Takes (Student\_ID, Assignment\_Number, Course\_ID, Grade)

Takes.Student\_ID references Student.ID

Takes.Assignment\_Number references Assignment.Number

Takes.Course\_ID references Course.ID

Teach (Course\_ID, Instructor\_ID, Student\_ID)

Teach.Course\_ID references Course.ID

Teach.Instructor\_ID references Instructor.ID

Teach.Student\_ID references Student.ID

Give (Admin\_ID, Code)

Give.Admin\_ID references Admin.ID

Glve.Code references Promocode.Code

Issue (Admin\_ID, Code)

Issue.Admin\_ID references Admin.ID

Issue.Code references Promocode.Code

Prerequisites (Course\_ID1, Course\_ID2)

Prerequisites.Course\_ID1 references Course.ID

Prerequisites.Course\_ID2 references Course.ID

Use(Student\_ID, Code)

Student\_ID references Student.ID

Code references PromoCode.Code

