Relational schema

1. User(UID, E-mail, Password, FirstName, LastName, Gender, Address) 2. UserMobileNumber(<u>UID</u>, <u>MobileNumber</u>) UserMobileNumber.UID references User.UID 3. Admin(<u>UID</u>) Admin.UID references User.UID 4. Instructor(<u>UID</u>, Rate) Instructor.UID references User.UID Where: Rate= Average of ratings given by students 5. Student(<u>UID</u>, GPA) Student.UID references User.UID Where: GPA= Average of grades in all courses finished 6. Credit Card(Number, Expiry date, CVV, HolderName) 7. PromoCode(Code, Issue_Date, Expiry_Date, Discount_Amount, Issued_by) PromoCode.Issued by references Admin.UID 8. Course(Course ID, Name, Credit_Hours, Description, Content, Price, Added by, Accepted by) Course. Added by references Instructor. UID Course.Accepted_by references Admin.UID

9. Assignment(Course ID, Number, Defined_by, Full_Grade, Weight, Deadline, Content) Assignment.Course ID references Course.Course ID Assignment.Defined by references Instructor.UID 10.Exam(Course ID, Number) Exam.Course ID references Assignment.Course ID Exam. Number references Assignment. Number 11.Quiz(Course ID, Number) _____ Quiz.Course ID references Assignment.Course ID Quiz.Number references Assignment.Number 12. Project (Course ID, Number) Project.Course ID references Assignment.Course ID Project.Number references Assignment.Number 13. Feedback(Course ID, FeedbackNumber, Given_by, Comment, Like) Feedback.Course ID references Course.Course ID Feedback. Given by references Student. UID 14. Certificate (Course ID, Student UID, Issue_Date) Certificate.Course_ID references Course.Course_ID Certificate.Student ID references Student.UID 15.StudentUsesPromocode(Code, Student UID) StudentUsesPromocode.Code references PromoCode.Code StudentUsesPromocode.Student_UID references Student.UID

16.StudentRatesInstructor(Student UID,Instructor UID,Rating) StudentRatesInstructor.Student UID references Student.UID StudentRatesInstructor.Instructor_UID references Instructor.UID 17. Student Uses Credit Card (Student UID, Number) _____ StudentRatesInstructor.Student UID references Student.UID StudentRatesInstructor.Number references Credit Card.Number 18. Course Prerequisites (Course ID, Requires) CoursePrerequisites.Course ID references Course.Course ID CoursePrerequisites.Requires references Course.Course ID 19.InstructorAddsInstructors(Instructor UID,Course ID,Instructor Added) InstructorAddsInstructors.Instructor UID references Instructor.UID InstructorAddsInstructors.Course ID references Course.Course ID InstructorAddsInstructors.Instructor Added references Instructor.UID 20.StudentEnrollsInCourse(Instructor UID,Course ID,Student UID) StudentEnrollsInCourse.Instructor UID references Instructor.UID StudentEnrollsInCourse.Course ID references Course.Course ID StudentEnrollsInCourse.Student UID references Student.UID 21.StudentTakesAndInstructorGrades(Instructor UID,Student UID,Course ID, Number, Grade) StudentTakesAndInstructorGrades.Instructor UID references Instructor.UID StudentTakesAndInstructorGrades.Student UID references Student.UID StudentTakesAndInstructorGrades.Course ID references Assignment.Course ID

StudentTakesAndInstructorGrades.Number references Assignment.Number