

Relational Model

- **Users** (user-id, password, F-name, L-name, E-mail, gender)
- **Mobile** (user-id, number)
-Mobile.user-id references Users.user-id
- **Instructor** (user-id, rate)
-Where rate= avg Rates.S-rate
- **Student** (user-id, gpa)
-where Student.gpa=calc.
- **Admin**(user-id)
- **Course** (CID, name, price, description, credits-accepted, admin id, IID)

-Course.admin id references admin.id
-Course.IID references instructor.uder-id
- **Course content** (cid, id, content, IID)
Course-content.cid references course.sid
Course.IID references instructor.uder-id
- **Feedback** (ID, CID, no-likes , student-id)
-Where Feedback.CID references=calc.
-Feedback.student-id references student.user_id
- **Comments** (F-ID, CID, ID, content,sid)
-Comments.F-ID refences Feedback.ID
-Comments.CID references course.CID
-Comments.sid references student.user-id

- **Assignment** (ass_no, cid, is quiz, is project, is exam, weight, content, full grade, deadline)
- **Promo code** (code id, issue date, expiry date, discount, admin id)
-Promo code.admin id references admin.id
- **Credit card** (cc-number, cvv, card holder, expiry date)
- **Has_promo-code** (promo id, sid)
-Has_promo-code.sid references student.user_id
-Has_promo-code.promo id references promo-code.code id
- **Likes** (sid, cid, fid)
 - Likes.sid references student.user_id
 - Likes.cid references course.CID
 - Likes.fid references Feedback.id
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- **Rates** (sid, Instructor_id, s_rate)
 - Rates.sid references student.user_id
 - Rates.instructor_id references instructor.user_id
- **Add-credit-card** (sid, cc number)
 - Adds credit card.sid references student.user-id
 - Adds credit card.cc number references credit card.cc-number
- **Enroll** (sid, cid, grades)
 - Enroll.sid references student.user-id
 - Enrol.cid references course.CID
 - Where Enroll.grades = calculation
- **Teaches** (sid, iid, cid)
 - Teaches.id references student.user-id
 - Teaches.iiid references instructor.user-id
 - Teaches.cid references course.CID
- **Certificate**(CID, SID, issue-date)
 - certificate.CID references course.CID
 - certificate.SID references student.SID
- **Graded** (SID, CID, ass-no, IID, grade)
 - graded.SID references student.SID
 - graded.CID references assignment.CID
 - graded.ass-no references assignment.

- **Add-Instructor**(IID,CID, main-Instructor)
 - Add-instructor.CID references assignment.CID
 - Add-instructor.IID references instructor.user-id
 - Add-instructor.main-instructor references instructor.user-id
- **Prerequisite** (CID1,CID2)
 - certificate.CID1 references course.CID
 - certificate.CID2 references course.CID