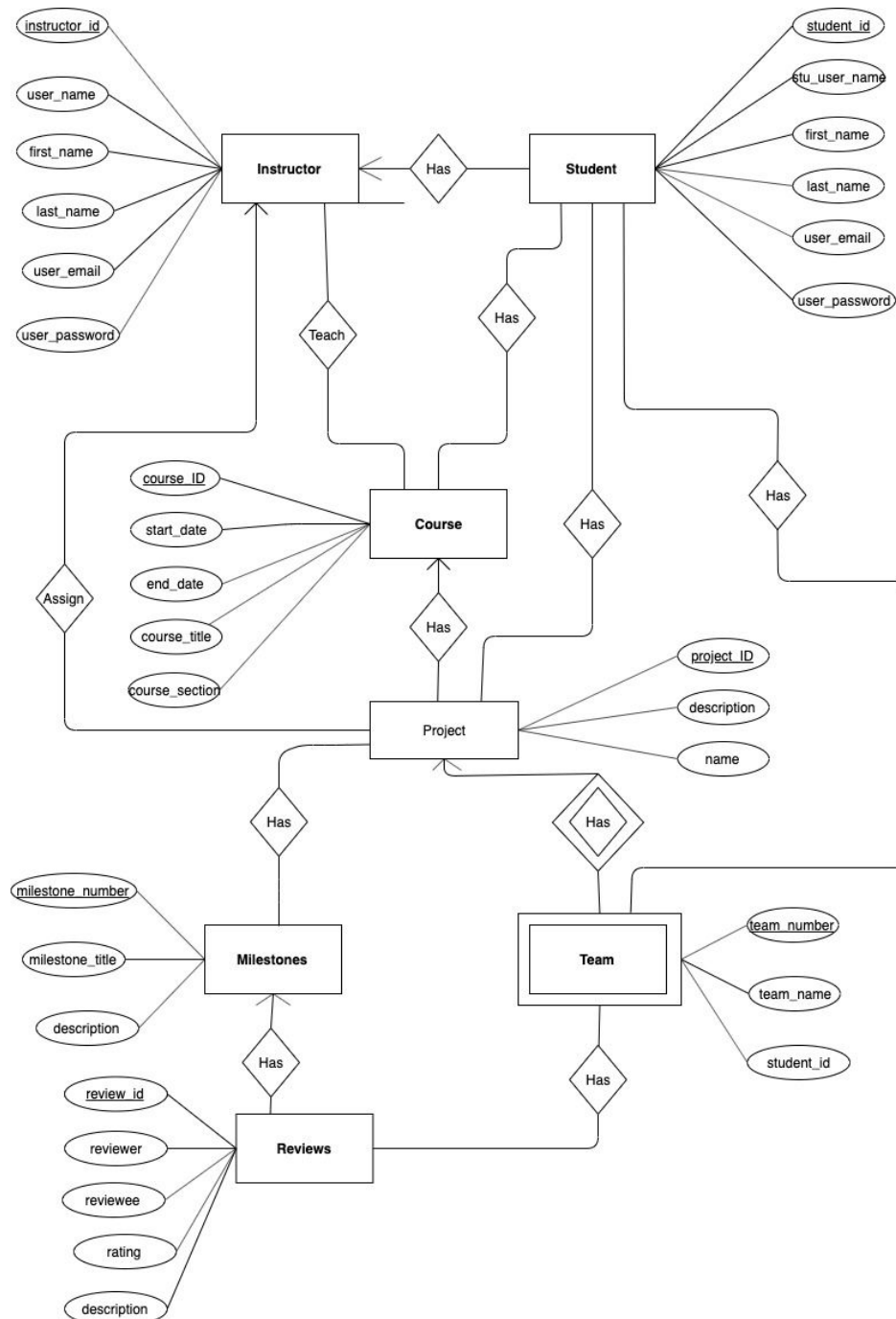


E/R Diagram



Description:

User

The User is an entity that represents the user of Scope. A user must have user_id, user_name, first_name, last_name, user_email, and user_password. The user_id is the primary key for the table Users.

Instructor

The Instructor is a subclass of Users entity. The attribute type_instructor has a boolean data type that indicates the identity of the user.

Student

Student is a subclass of Users entity. The attribute type_student has a boolean data type that indicates the identity of user.

StudentHasCourse

StudentHasCourse is a relationship that connects Student and Course entity sets. Course can have many students and student can be enrolled in many courses.

StudentHasTeam

StudentHasTeam is a relationship that connects Student and Team entity sets. Team can have many students and students can belong to many teams.

InstructorHasStudent

InstructorHasStudent is a relationship that indicates the instructor has many students, but students can only have exactly one instructor.

InstructorTeachCourse

InstructorTeachCourse is a relationship that indicates the instructor teaches many courses, but each course can only have exactly one instructor.

InstructorAssignProject

InstructorAssignProject is a relationship that connects Instructor and Project entity sets. Instructor can assign zero to many projects. Project can assign by only one instructor.

Course

The Course is an entity that represents the course taught by the instructor. A course must have start_time, end_time, course_id, and course_title. The course_id is the primary key for the table Course.

Project

The Project is an entity set that represents the project assigned by the instructor. A Project must have attributes of project_id, description, and name. It also has a relation with the Course, Milestone and Team set of entities.

CourseHasProject

CourseHasProject is an a relationship that connects the Course and Project entity sets. Each Project can only be in one Course.

Milestone

The Milestone is an entity set that represents the milestones assigned by the Instructor to each Project entity set. A Milestone must have milestone_number, title, description, reviewer, reviewee, and rating.

ProjectHasMilestone

ProjectHasMilestone is a relationship that connects the Project and Milestone entity sets. A single project can have multiple Milestones. This Milestone is usually set by the Instructor entity set.

Team

Team is an entity set that represents the Team. Team is usually created and assigned by the instructor. Each Team entity set should contain team_number, team_memebr, and team_name of attributes.

TeamHasReviews

TeamHasReview is a relationship that connects Team and Reviews entity sets. Every Team can have one or more set of reviews from the team member.

TeamHasProject

TeamHasProject is a relationship that connects Team and Project entity sets. Every Team can have one or more sets of projects.

Reviews

Reviews is an entity set that represents the Review table. Every Review is also connected with Milestone entity set and every milestone at least have one review. Reviews entity set must have reviewer, reviewee, and rating set of attributes.

MilestoneHasReview

MilestoneHasReviews is a set of relationships that connects Milestone and Review entity sets. Every Milestone have at least one Review from instructor and students.

Scope Database Schema

Database Name: Scope

Database : Entity Set

1. Instructor (instructor_id, inst_user_name, inst_frist_name, inst_last_name, inst_email, inst_password)
2. Student (student_id, stu_user_name, stu_frist_name, stu_last_name, stu_email, student_password)
3. Course (course_id, course_name, course_section, start_date, end_date)
4. project(project_id, project_description , project_name)
5. milestones(milestone_number, milestone_title, milestone_description, review_id)
6. team(team_number, team_name, student_id)
7. review(review_id, reviewer, reviewee, rating)

Database : Relationship

1. InstructorHasStudents(instructor_id, student_id)
2. InstructorTeachCourses(instructor_id, course_id)
3. StudentHasCourses(student_id, course_id)
4. InstructorAssignProjects(instructor_id, project_id)
5. StudentHasProjects(student_id, project_id)
6. StudentHasTeams(student_id, project_id, team_number)
7. ProjectHasMilestones(project_id, milestone_number)
8. MilestoneHasReviews (milestone_number, review_id)
9. ProjectHasTeams(project_id, project_id, team_number)
10. TeamHasReviews(project_id, team_number, review_id)

Instructor Table - By Abraham

```
Abraham — mysql -u cs157a -p — 172x38

mysql> describe Instructor;
+-----+-----+-----+-----+-----+-----+
| Field                | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| instructor_id        | varchar(10)   | NO   | PRI | NULL    |       |
| inst_user_name       | varchar(40)   | NO   |     | NULL    |       |
| inst_frist_name      | varchar(40)   | NO   |     | NULL    |       |
| inst_last_name       | varchar(40)   | NO   |     | NULL    |       |
| inst_email           | varchar(40)   | NO   |     | NULL    |       |
| inst_password        | varchar(40)   | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)

mysql> SELECT * FROM Scope.Instructor;
+-----+-----+-----+-----+-----+-----+
| instructor_id | inst_user_name | inst_frist_name | inst_last_name | inst_email | inst_password |
+-----+-----+-----+-----+-----+-----+
| 0114695369    | njouhandeaud  | Neils           | Jouhandeau     | njouhandeaud@i2i.jp | J6oGQj       |
| 0309009278    | mochterlonie0 | Maggi           | Ochterlonie    | mochterlonie0@telegraph.co.uk | NOgnKTfu     |
| 0689609795    | hdyment2      | Hewet           | Dymment        | hdyment2@blinklist.com | J9jv6yDkICIj |
| 1772592293    | mjerredb      | Maxie           | Jerred         | mjerredb@stanford.edu | zvTaAkL      |
| 1878210823    | lhasteda      | Lynnea          | Hasted         | lhasteda@xinhuanet.com | xwnSym       |
| 2389592635    | fcililverd4   | Flin            | Cililverd      | fcililverd4@ucoz.com | 9AoOM7k      |
| 309009278     | mochterlonie0 | Maggi           | Ochterlonie    | mochterlonie0@telegraph.co.uk | NOgnKTfu     |
| 3547539625    | mstacey5      | Morrie          | Stacey         | mstacey5@hexun.com | att7j1pcV    |
| 3726186581    | gcheasmanc    | Gayler          | Cheasman       | gcheasmanc@dedecms.com | fVLsuqH5rD   |
| 3876648211    | gpaff6        | Germain         | Pfaff          | gpaff6@example.com | UStoXF0QAuF  |
| 4003367340    | acaddick1     | Augustine       | Caddick        | acaddick1@quantcast.com | DQKfRK       |
| 5169573901    | rgoodboddy3   | Roby            | Goodboddy      | rgoodboddy3@edublogs.org | 074VVS30Mz   |
| 5455054880    | ariddiforde   | Adina           | Riddiford      | ariddiforde@examiner.com | cQOxKonl     |
| 5510108053    | jpavelka9     | Jarvis          | Pavelka        | jpavelka9@freewebs.com | GoT5Aw       |
| 7691982879    | dwoollacott7  | Dorri           | Woollacott     | dwoollacott7@reverbnation.com | 3xtgkgoHwjD  |
| 8191688182    | sgerbi8       | Sarge           | Gerbi          | sgerbi8@gmpg.org | BF2nC8Z3r    |
+-----+-----+-----+-----+-----+-----+
16 rows in set (0.00 sec)

mysql>
```

Student Table - By Yulong

```
yulongran — mysql -u root -p — 197x48

mysql> describe Student;
+-----+-----+-----+-----+-----+-----+
| Field                | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| student_id          | varchar(10)   | NO   | PRI | NULL    |       |
| student_username     | varchar(40)   | NO   |     | NULL    |       |
| student_password     | varchar(40)   | NO   |     | NULL    |       |
| student_firstname    | varchar(40)   | NO   |     | NULL    |       |
| student_lastname     | varchar(40)   | NO   |     | NULL    |       |
| student_email        | varchar(40)   | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)

mysql> SELECT * FROM Student;
+-----+-----+-----+-----+-----+-----+
| student_id | student_username | student_password | student_firstname | student_lastname | student_email |
+-----+-----+-----+-----+-----+-----+
| 102927927  | rswinerd6       | Smym0uVd        | Rees             | Swinerd          | rswinerd6@unblog.fr |
| 106996496  | iciani0        | ABbYvWJbx       | Iolande          | Ciani            | iciani0@jigsy.com |
| 169135057  | harro7         | YX5ylTT5v       | Hanni            | Arro             | harro7@posterous.com |
| 217021555  | plakes1        | sRS4mt          | Perry            | Lakes            | plakes1@paypal.com |
| 362190333  | lkeymer3       | SwMK9LePElq     | Lionello         | Keymer           | lkeymer3@webnode.com |
| 373426725  | sroslen8       | Ah4Svuhq        | Sheelagh         | Roslen           | sroslen8@mashable.com |
| 399274333  | pcandelin2     | R4TSvV5jh8y     | Putnem           | Candelin         | pcandelin2@domainmarket.com |
| 439889584  | gilles5        | KNSRNXXKTZ      | Gabi             | Illes            | gilles5@pcworld.com |
| 625030840  | bbitHELLa     | DscfYN          | Berti            | Bithell          | bbitHELLa@yellowbook.com |
| 628395928  | hsowtec        | TjuwujQnf       | Horatius         | Sowte            | hsowtec@csmonitor.com |
| 648686743  | jpiertone      | 4CMnc4          | James            | Pierton          | jpiertone@csmonitor.com |
| 755316052  | ckneeboned     | bfKUrW6bHiq     | Consalve         | Kneebone         | ckneeboned@kickstarter.com |
| 784193319  | mkohneke9     | F4dxtr          | Madelle          | Kohneke          | mkohneke9@pagesperso-orange.fr |
| 900078257  | smullally4     | iZbP3mUURE      | Shantee          | Mullally         | smullally4@mashable.com |
| 922485677  | swhilesb      | ib0MH51XPB      | Simeon           | Whiles           | swhilesb@irs.gov |
+-----+-----+-----+-----+-----+-----+
15 rows in set (0.00 sec)
```

Course Table - By Yulong

```
[mysql> describe Course;
```

Field	Type	Null	Key	Default	Extra
course_id	varchar(10)	NO	PRI	NULL	
course_name	varchar(40)	NO		NULL	
course_section	varchar(2)	NO		NULL	
start_date	date	NO		NULL	
end_date	date	NO		NULL	

```
5 rows in set (0.00 sec)
```

```
[mysql> SELECT * FROM Course;
```

course_id	course_name	course_section	start_date	end_date
278917254	CS134	01	2018-08-21	2019-12-09
299655012	CS166	01	2018-08-21	2019-12-09
426383441	CS159	01	2018-08-21	2019-12-09
55116348	CS149	01	2018-01-24	2019-05-13
562182226	CMPE172	01	2018-01-24	2019-05-13
567291101	CS157A	01	2013-08-21	2014-12-09
593726155	CS152	01	2014-01-24	2015-05-13
624040817	CMPE131	01	2018-01-24	2019-05-13
629866888	CS146	01	2018-08-21	2019-12-09
760306549	CMPE165	02	2017-08-21	2018-12-09
868029873	ENGR195A	01	2018-01-24	2019-05-13
878839432	CMPE102	01	2018-08-21	2019-12-09
927885960	CMPE165	01	2015-08-21	2016-12-09
996841846	ISE164	01	2018-08-21	2019-12-09
997503965	CMPE187	01	2018-01-24	2019-05-13

```
15 rows in set (0.00 sec)
```

Project Table - By Abraham

```
mysql> show tables;
+-----+
| Tables_in_scope |
+-----+
| Instructor      |
| Project         |
+-----+
6 rows in set (0.00 sec)

mysql> SELECT * FROM Scope.Instructor;
+-----+
| project_id | inst_user_name | inst_first_name | inst_last_name | inst_email | inst_password |
+-----+
| project_id | project_name | project_description |
+-----+
1 | Title 1 | Laceration with foreign body of unspecified front wall of thorax without penetration into thoracic cavity, subsequent encounter
2 | Title 2 | Poisoning by unspecified antiepileptic and sedative-hypnotic drugs, intentional self-harm, sequela
3 | Title 3 | Adhesions due to foreign body accidentally left in body following other procedure, initial encounter
4 | Title 4 | Other specified injury of unspecified blood vessel at ankle and foot level, unspecified leg
5 | Title 5 | Pedestrian on foot injured in collision with two- or three-wheeled motor vehicle in traffic accident, subsequent encounter
6 | Title 6 | Malnutrition in the puerperium
7 | Title 7 | Toxic effect of arsenic and its compounds, accidental (unintentional), initial encounter
8 | Title 8 | Osteonecrosis due to drugs, left toe(s)
9 | Title 9 | Exposure to flames in controlled fire, not in building or structure
10 | Title 10 | Malignant otitis externa, left ear
11 | Title 11 | Other fracture of lower end of unspecified ulna, subsequent encounter for open fracture type I or II with delayed healing
12 | Title 12 | Contusion and laceration of left cerebrum with loss of consciousness of 31 minutes to 59 minutes, initial encounter
13 | Title 13 | Toxic effect of other corrosive organic compounds, accidental (unintentional), sequela
14 | Title 14 | Laceration without foreign body of unspecified part of head
15 | Title 15 | Other chronic osteomyelitis, tibia and fibula
+-----+
15 rows in set (0.00 sec)

mysql>
mysql>
```


Milestone Table - By Cindy

```
bin — ./mysql -u root -p — ./mysql — mysql -u root -p — 116x38

mysql> describe Milestones;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| milestone_number | int(11) | NO | PRI | NULL | |
| milestone_title | varchar(40) | NO | | NULL | |
| milestone_description | text | NO | | NULL | |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> SELECT * FROM Scope.Milestones;
+-----+-----+-----+
| milestone_number | milestone_title | milestone_description |
+-----+-----+-----+
| 1 | Milestone_Title_01 | Lorem ipsum dolor sit amet |
| 2 | Milestone_Title_02 | Yosemite Mammoth lake water ipsum dolor sit amet |
| 3 | Milestone_Title_03 | delivery food water cheese |
| 4 | Milestone_Title_04 | homework pen pencil paper turn it in |
| 5 | Milestone_Title_05 | Water words whale washington wow waste |
| 6 | Milestone_Title_06 | dolor health sit example electricity sea travel solution waste |
| 7 | Milestone_Title_07 | Apple banana strawberry grape |
| 8 | Milestone_Title_08 | Lorem ipsum dolor saver waiver ocean sit amet |
| 9 | Milestone_Title_09 | Color planet Lorem earth table ipsum dolor sit cash amet |
| 10 | Milestone_Title_10 | dashboard recognized student structure homework |
| 11 | Milestone_Title_11 | Plate earthquake |
| 12 | Milestone_Title_12 | Lore dolor sit amet |
| 13 | Milestone_Title_13 | Lorem |
| 14 | Milestone_Title_14 | ipsum dolor |
| 15 | Milestone_Title_15 | dolor amet researcher |
+-----+-----+-----+
15 rows in set (0.00 sec)

mysql>
mysql>
```

Team Table - By Abraham

```
Abraham — mysql -u cs157a -p — 172x34

[mysql> show tables;
+-----+
| Tables_in_scope |
+-----+
| Instructor |
| Project |
| Team |
+-----+
3 rows in set (0.00 sec)

[mysql> SELECT * FROM Scope.Team;
+-----+-----+-----+
| team_number | team_name | student_id |
+-----+-----+-----+
| 1 | Team_Name_01 | 1238200958 |
| 2 | Team_Name_02 | 5229646268 |
| 3 | Team_Name_03 | 0672935694 |
| 4 | Team_Name_04 | 0812124995 |
| 5 | Team_Name_05 | 6553274002 |
| 6 | Team_Name_06 | 4406946845 |
| 7 | Team_Name_07 | 7440428439 |
| 8 | Team_Name_08 | 2707108634 |
| 9 | Team_Name_09 | 1694424553 |
| 10 | Team_Name_10 | 4607787566 |
| 11 | Team_Name_11 | 1240100329 |
| 12 | Team_Name_12 | 7206484131 |
| 13 | Team_Name_13 | 3755384051 |
| 14 | Team_Name_14 | 0516550462 |
| 15 | Team_Name_15 | 0037269925 |
+-----+-----+-----+
15 rows in set (0.00 sec)

mysql>
```

Reviews Table - By Yulong

```
yulongran — mysql -u root -p — 197x48
mysql> describe Reviews;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| review_id      | varchar(10)   | NO   | PRI | NULL    |       |
| reviewer       | varchar(20)   | NO   |     | NULL    |       |
| reviewee       | varchar(20)   | NO   |     | NULL    |       |
| rating         | int(1)        | NO   |     | NULL    |       |
| review_description | text         | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql> SELECT * FROM Reviews;
+-----+-----+-----+-----+-----+
| review_id | reviewer | reviewee | rating | review_description |
+-----+-----+-----+-----+-----+
| 1         | Ree      | Greedy   | 1       | Has made frequent errors that are harmful to business operations. |
| 10        | Levy     | Tweedle  | 3       | Uses good judgment in solving problems and working with others. |
| 11        | Debora   | Chatterton | 2       | Displays occasional negativity when working with others. |
| 12        | Osbert   | Feehily  | 4       | Courteous and knowledgeable. |
| 13        | Gina     | Roscamps | 4       | Demonstrates "team player" behavior views individual success as imperative to group success. |
| 14        | Abbi     | Cremin   | 5       | Never misses work without prior approval and appropriate notification. |
| 15        | Taffy    | Oblein   | 3       | Gets annoyed with clients who ask too many questions. |
| 2         | Anna-diana | Kubacek  | 2       | The quality of work produced is unacceptable. |
| 3         | Robinson | Kuhne    | 3       | Occasionally calls in to work without prior approval, resulting in unscheduled absences. |
| 4         | Wini     | Capelin  | 4       | Can always be counted on to work overtime when necessary without complaint. |
| 5         | Leone    | Sawyer   | 5       | All memos, reports, forms and correspondence are completed on time with no errors. |
| 6         | Dallan   | Imbrey   | 5       | Quantity of work produced is outstanding. |
| 7         | Leon     | Stollberger | 4       | Maintains good working relationships with coworkers. |
| 8         | Jermaine | Siney    | 3       | Sets priorities and adjusts them as needed when unexpected situations arise. |
| 9         | Colette  | Tolputt  | 4       | Can always be counted on to work overtime when necessary without complaint. |
+-----+-----+-----+-----+-----+
15 rows in set (0.00 sec)
```

InstructorHasStudent Table - By Abraham

```
Abraham — mysql -u cs157a -p — 180x44
mysql> show tables;
+-----+
| Tables_in_scope |
+-----+
| Instructor       |
| InstructorAssignProjects |
| InstructorHasStudents |
| Project          |
| Team             |
+-----+
5 rows in set (0.00 sec)

mysql> describe InstructorHasStudents;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| instructor_id  | varchar(10)   | NO   |     | NULL    |       |
| student_id     | varchar(10)   | NO   | PRI | NULL    |       |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.01 sec)

mysql> SELECT * FROM Scope.InstructorHasStudents;
+-----+-----+
| instructor_id | student_id |
+-----+-----+
| 0309009278   | 102927927 |
| 0309009278   | 106996496 |
| 0309009278   | 169135057 |
| 0309009278   | 217021555 |
| 0309009278   | 362190333 |
| 0309009278   | 373426725 |
| 0309009278   | 399274333 |
| 0309009278   | 439889584 |
| 0309009278   | 625030840 |
| 0309009278   | 628395928 |
| 0309009278   | 648686743 |
| 0309009278   | 755316052 |
| 0309009278   | 784193319 |
| 0309009278   | 900078257 |
| 0309009278   | 922485677 |
+-----+-----+
15 rows in set (0.00 sec)

mysql>
```


InstructorTeachCourses Table - By Yulong

```
mysql> describe InstructorTeachCourses;
+-----+-----+-----+-----+-----+-----+
| Field          | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| instructor_id  | varchar(10) | NO   |     | NULL    |       |
| course_id     | varchar(10) | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> SELECT * FROM InstructorTeachCourses;
+-----+-----+
| instructor_id | course_id |
+-----+-----+
| 0114695369    | 278917254 |
| 0309009278    | 278917254 |
| 0689609795    | 278917254 |
| 1772592293    | 278917254 |
| 1878210823    | 278917254 |
| 2389592635    | 278917254 |
| 3547539625    | 278917254 |
| 3726186581    | 278917254 |
| 3876648211    | 278917254 |
| 4003367340    | 278917254 |
| 5169573901    | 278917254 |
| 5455054880    | 278917254 |
| 5510108053    | 278917254 |
| 7691982079    | 278917254 |
| 8191688182    | 278917254 |
| 0114695369    | 299655012 |
| 0309009278    | 299655012 |
| 0689609795    | 299655012 |
| 1772592293    | 299655012 |
| 1878210823    | 299655012 |
+-----+-----+
```

StudentHasCourses Table - By Yulong

```
mysql> describe StudentHasCourses;
+-----+-----+-----+-----+-----+-----+
| Field          | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| student_id     | varchar(10) | NO   |     | NULL    |       |
| course_id     | varchar(10) | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> SELECT * FROM StudentHasCourses;
+-----+-----+
| student_id | course_id |
+-----+-----+
| 102927927  | 278917254 |
| 106996496  | 278917254 |
| 169135057  | 278917254 |
| 217021555  | 278917254 |
| 362190333  | 278917254 |
| 373426725  | 278917254 |
| 399274333  | 278917254 |
| 439889584  | 278917254 |
| 625030840  | 278917254 |
| 628395928  | 278917254 |
| 648686743  | 278917254 |
| 755316052  | 278917254 |
| 784193319  | 278917254 |
| 900070257  | 278917254 |
| 922485677  | 278917254 |
| 102927927  | 299655012 |
| 106996496  | 299655012 |
| 169135057  | 299655012 |
| 217021555  | 299655012 |
| 362190333  | 299655012 |
| 373426725  | 299655012 |
| 399274333  | 299655012 |
| 439889584  | 299655012 |
| 625030840  | 299655012 |
| 628395928  | 299655012 |
+-----+-----+
```

InstructorAssignProjects - By Abraham

```
Abraham — mysql -u cs157a -p — 180x44

mysql> show tables;
+-----+
| Tables_in_scope |
+-----+
| Instructor       |
| InstructorAssignProjects |
| Project         |
| Team            |
+-----+
4 rows in set (0.03 sec)

mysql> describe InstructorAssignProjects;
+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| instructor_id | varchar(10) | NO   | PRI | NULL    |       |
| project_id   | int(10)    | NO   | PRI | NULL    |       |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> SELECT * FROM Scope.InstructorAssignProjects;
+-----+-----+
| instructor_id | project_id |
+-----+-----+
| 0114695369    | 14         |
| 0309009278    | 1          |
| 0689609795    | 3          |
| 1772592293    | 12         |
| 1878210823    | 11         |
| 2389592635    | 5          |
| 3547539625    | 6          |
| 3726186581    | 13         |
| 3876648211    | 7          |
| 4003367340    | 2          |
| 5169573901    | 4          |
| 5455054880    | 15         |
| 5510108053    | 10         |
| 7691982879    | 8          |
| 8191688182    | 9          |
+-----+-----+
15 rows in set (0.00 sec)

mysql>
```

StudentHasProjects Table - By Yulong

```
mysql> describe StudentHasProjects;
+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| student_id | varchar(10) | NO   |     | NULL    |       |
| project_id | int(10)    | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> SELECT * FROM StudentHasProjects;
+-----+-----+
| student_id | project_id |
+-----+-----+
| 102927927  | 1          |
| 106996496  | 1          |
| 169135057  | 1          |
| 217021555  | 1          |
| 362190333  | 1          |
| 373426725  | 1          |
| 399274333  | 1          |
| 439889584  | 1          |
| 625030840  | 1          |
| 628395928  | 1          |
| 648686743  | 1          |
| 755316052  | 1          |
| 784193319  | 1          |
| 900078257  | 1          |
| 922485677  | 1          |
| 102927927  | 2          |
| 106996496  | 2          |
| 169135057  | 2          |
| 217021555  | 2          |
| 362190333  | 2          |
+-----+-----+
```

StudentHasTeams Table - By Yulong

```
mysql> describe StudentHasTeams;
```

Field	Type	Null	Key	Default	Extra
team_number	int(3)	NO		NULL	
student_id	varchar(10)	NO		NULL	
project_id	int(10)	NO		NULL	

3 rows in set (0.00 sec)

```
mysql> SELECT * FROM StudentHasTeams;
```

team_number	student_id	project_id
1	102927927	1
2	102927927	1
3	102927927	1
4	102927927	1
5	102927927	1
6	102927927	1
7	102927927	1
8	102927927	1
9	102927927	1
10	102927927	1
11	102927927	1
12	102927927	1
13	102927927	1
14	102927927	1
15	102927927	1
1	106996496	1
2	106996496	1
3	106996496	1
4	106996496	1

CoursesHasProjects Table - By Cindy

```
mysql> describe CoursesHasProjects;
```

Field	Type	Null	Key	Default	Extra
course_id	int(10)	NO		NULL	
project_id	int(10)	NO		NULL	

2 rows in set (0.00 sec)

```
mysql> SELECT * FROM Scope.CoursesHasProjects;
```

course_id	project_id
278917254	1
278917254	2
278917254	3
278917254	4
278917254	5
278917254	6
278917254	7
278917254	8
246924774	9
246924774	10
246924774	11
246924774	12
246924774	13
246924774	14
246924774	15

15 rows in set (0.00 sec)

```
mysql>
mysql>
mysql>
mysql>
mysql>
```

ProjectsHasMilestones Table - By Abraham

```
Abraham — mysql -u cs157a -p — 180x44

+-----+
| Tables_in_scope |
+-----+
| Instructor       |
| InstructorAssignProjects |
| InstructorHasStudents |
| Project          |
| ProjectHasMilestones |
| Team            |
+-----+
6 rows in set (0.00 sec)

mysql> describe ProjectHasMilestones;
+-----+
| Field           | Type   | Null | Key | Default | Extra |
+-----+
| project_id      | int(10) | NO   | PRI | NULL    |       |
| milestone_number | int(10) | NO   | PRI | NULL    |       |
+-----+
2 rows in set (0.00 sec)

mysql> SELECT * FROM Scope.ProjectHasMilestones;
+-----+
| project_id | milestone_number |
+-----+
| 1          | 1                |
| 2          | 2                |
| 3          | 3                |
| 4          | 4                |
| 5          | 5                |
| 6          | 6                |
| 7          | 7                |
| 8          | 8                |
| 9          | 9                |
| 10         | 10               |
| 11         | 11               |
| 12         | 12               |
| 13         | 13               |
| 14         | 14               |
| 15         | 15               |
+-----+
15 rows in set (0.00 sec)

mysql>
```

MilestoneHasReviews Table - By Cindy

```
bin — ./mysql -u root -p — ./mysql — mysql -u root -p — 116x38

mysql> describe MilestoneHasReviews;
+-----+
| Field           | Type   | Null | Key | Default | Extra |
+-----+
| milestone_number | int(10) | NO   |     | NULL    |       |
| review_id       | int(10) | NO   |     | NULL    |       |
+-----+
2 rows in set (0.01 sec)

mysql> SELECT * FROM MilestoneHasReviews;
+-----+
| milestone_number | review_id |
+-----+
| 1                | 12        |
| 2                | 2         |
| 3                | 4         |
| 4                | 5         |
| 5                | 10        |
| 6                | 9         |
| 7                | 15        |
| 8                | 3         |
| 9                | 11        |
| 10               | 11        |
| 11               | 1         |
| 12               | 4         |
| 13               | 7         |
| 14               | 6         |
| 15               | 8         |
+-----+
15 rows in set (0.00 sec)

mysql>
mysql>
mysql>
mysql>
mysql>
```

TeamHasReviews Table - By Cindy

```
bin — ./mysql -u root -p — ./mysql — mysql -u root -p — 116x38

mysql> describe TeamHasReviews;
+-----+-----+-----+-----+-----+-----+
| Field      | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| project_id | int(10) | NO   |     | NULL    |       |
| team_number | int(3)  | NO   |     | NULL    |       |
| review_id  | int(10) | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> SELECT * FROM TeamHasReviews;
+-----+-----+-----+
| project_id | team_number | review_id |
+-----+-----+-----+
| 1          | 1           | 573629504 |
| 2          | 2           | 573629324 |
| 3          | 4           | 524229324 |
| 4          | 4           | 224322924 |
| 5          | 5           | 224322224 |
| 6          | 6           | 223422224 |
| 7          | 7           | 234422224 |
| 8          | 8           | 223422224 |
| 9          | 9           | 223477224 |
| 10         | 10          | 226677224 |
| 11         | 11          | 226677624 |
| 12         | 12          | 226674627 |
| 13         | 13          | 226699627 |
| 14         | 14          | 256659627 |
| 15         | 15          | 256696687 |
+-----+-----+-----+
15 rows in set (0.00 sec)

mysql>
mysql>
mysql>
mysql>
mysql>
```