Scope ®

Student's Project Performance
Management Tool
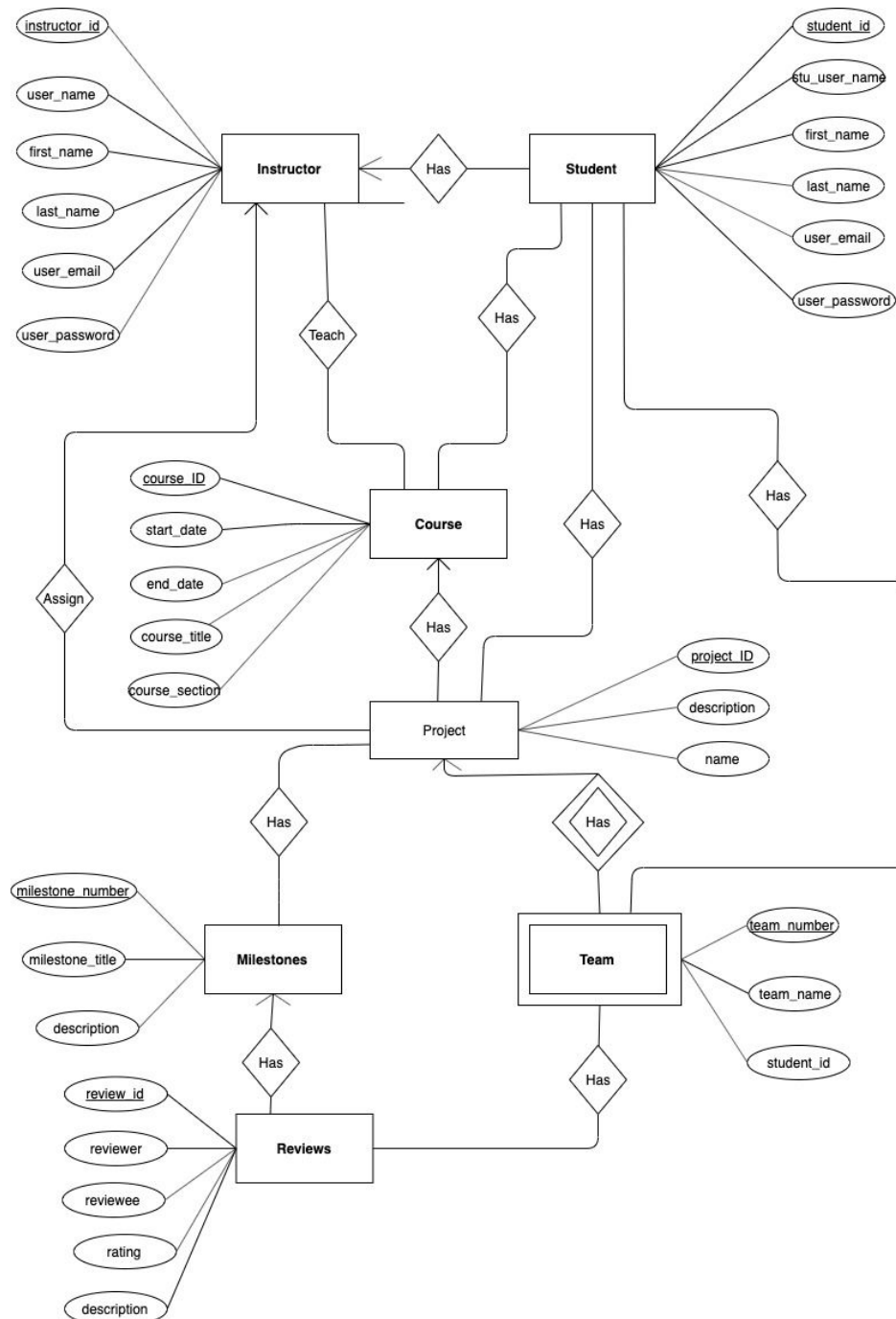
Team#10
Abraham Tesfay
Cindy Carrillo
Yulong Ran

E/R Diagram

Instructor
- instructor_id
- user_name
- first_name
- last_name
- user_email
- user_password

Student
- student_id
- stu_user_name
- first_name
- last_name
- user_email
- user_password

Has

Teach

Has

Course
- course_ID
- start_date
- end_date
- course_title
- course_section

Assign

Has

Has

Has

Project
- project_ID
- description
- name

Has

Has

Milestones
- milestone_number
- milestone_title
- description

Team
- team_number
- team_name
- student_id

Has

Has

Reviews
- review_id
- reviewer
- reviewee
- rating
- description

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, Milstone 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 milstone_number, title, description, reviewer, reviewee, and rating.

ProjectHasMilestone

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

Database : Relationship

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

Instructor Table - By Abraham

```
[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           | Dyment         | hdyment2@blinklist.com           | J9jv6yDkICIj  |
| 1772592293    | mjerredb       | Maxie           | Jerred         | mjerredb@stanford.edu            | zvTaAkL       |
| 1878210823    | lhasteda       | Lynnea          | Hasted         | lhasteda@xinhuanet.com           | xwnSYm        |
| 2389592635    | fclilverd4     | Flin            | Clilverd       | fclilverd4@ucoz.com              | 9AoOM7k       |
| 309009278     | mochterlonie0  | Maggi           | Ochterlonie    | mochterlonie0@telegraph.co.uk    | NOgnKTfu      |
| 3547539625    | mstacey5       | Morrie          | Stacey         | mstacey5@hexun.com               | att7jlpcV     |
| 3726186581    | gcheasmanc     | Gayler          | Cheasman       | gcheasmanc@dedecms.com           | fVLsuqH5rD    |
| 3876648211    | gpfaff6        | Germain         | Pfaff          | gpfaff6@example.com              | UStoXF0QAuF   |
| 4003367340    | acaddick1      | Augustine       | Caddick        | acaddick1@quantcast.com          | DQKfRK        |
| 5169573901    | rgoodboddy3    | Roby            | Goodboddy      | rgoodboddy3@edublogs.org         | 074VYS3OMz    |
| 5455054880    | ariddiforde    | Adina           | Riddiford      | ariddiforde@examiner.com         | cQQxKonl      |
| 5510108053    | jpavelka9      | Jarvis          | Pavelka        | jpavelka9@freewebs.com           | GoT5Aw        |
| 7691982879    | dwoollacott7   | Dorri           | Woollacott     | dwoollacott7@reverbnation.com    | 3xtgkqoHwjD   |
| 8191688182    | sgerbi8        | Sarge           | Gerbi          | sgerbi8@gmpg.org                 | BFZnC8Z3r     |
+---------------+----------------+-----------------+----------------+----------------------------------+---------------+
16 rows in set (0.00 sec)

mysql>
```

Student Table - By Yulong

```
[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        | SmymQuvd         | Rees              | Swinerd          | rswinerd6@unblog.fr                  |
| 106996496  | iciani0          | A8bYvWJbx        | 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          | kNSRNXKTZ        | 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         | ib0MjH51XpB      | 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          |
+------------------+
2 rows in set (0.01 sec)

[mysql> SELECT * FROM Scope.Project;
+------------+--------------+-------------------------------------------------------------------------------------------------------------------------------+
| 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>
```

Milestone Table - By Cindy

```
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

```
[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

```
[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         | Dallon     | Imbrey     |      5 | Quantity of work produced is outstanding.                                                 |
| 7         | Leon       | Stollberger|      4 | Maintains good working relationships with coworkers.                                      |
| 8         | Jermayne   | 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

```
[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 |
| 7691982879    | 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 |
| 900078257  | 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

```
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

```
                    bin — ./mysql -u root -p — ./mysql — mysql -u root -p — 116×38
[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>
mysql>
```

ProjectsHasMilestones Table - By Abraham

```
+-----------------------+
| 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

```
[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>
mysql>
```

TeamHasReviews Table - By Cindy

```
[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 | 256669687 |
+------------+-------------+-----------+
15 rows in set (0.00 sec)

[mysql>
[mysql>
[mysql>
[mysql>
mysql>
```