PROMINEO TECH

Relational Databases with MySQL Week 3 Coding Assignment

Points possible: 70

Category	Criteria	% of Grade
Functionality	Does the code work?	25
Organization	Is the code clean and organized? Proper use of white space, syntax, and consistency are utilized. Names and comments are concise and clear.	25
Creativity	Student solved the problems presented in the assignment using creativity and out of the box thinking.	25
Completeness	All requirements of the assignment are complete.	25

Instructions: Using a text editor of your choice, write the queries that accomplishes the objectives listed below. Take screenshots of the queries and results and paste them in this document where instructed below. Create a new repository on GitHub for this week's assignments and push this document, with your Java project code, to the repository. Add the URL for this week's repository to this document where instructed and submit this document to your instructor when complete.

Coding Steps:

You have been asked to create a database for a new social media application that your company is developing.

The database must store user data such as username, email, password, etc...

Users are able to post and comment. So, your database must also store post and comment data.

We need to know which user made which posts.

We also need to know which user made which comments, and which post a comment is on.

Posts and comments should both include the time they were created, and what the content of the post or comment is.

Create an Entity Relationship Diagram (ERD) using draw.io to model the database you will create. Insert a screenshot of the ERD in the screenshots section below.

Write a SQL script to create the database. Insert a screenshot of the SQL in your script.
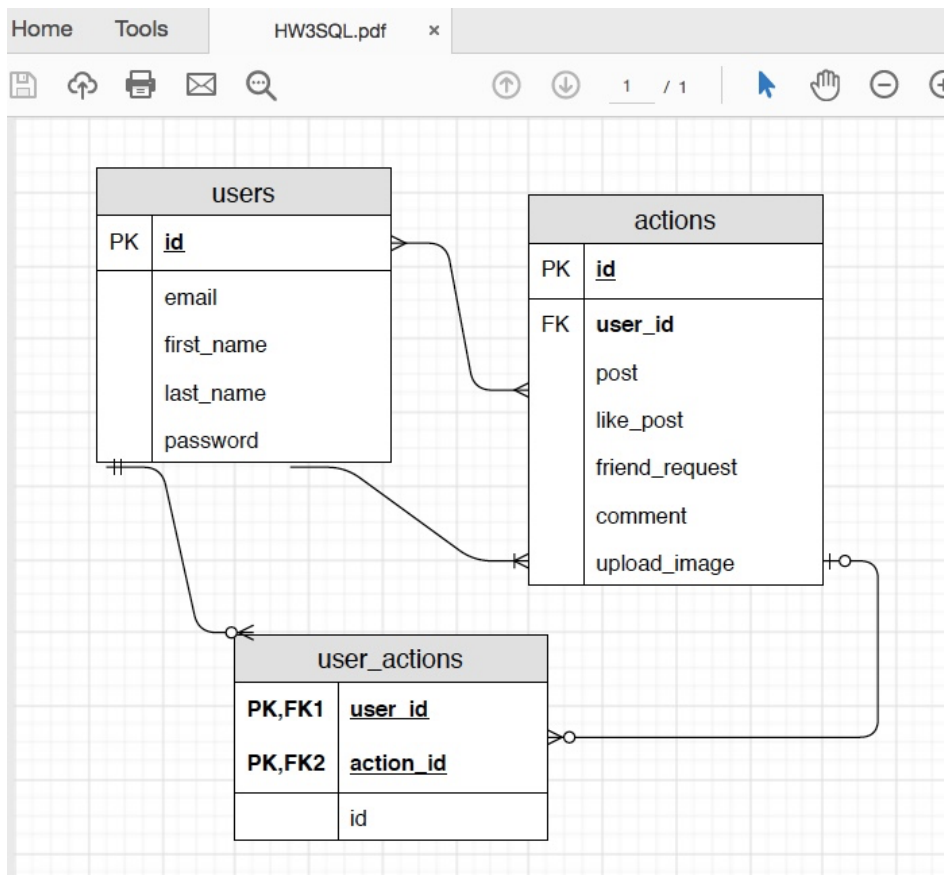
Hints:

You will only need three tables.

Two tables will have foreign key references.

One table will have two foreign key references.

Screenshots:

Screenshot of draw io ERD:

Screenshot of script:

```
create database if not exists customers;
use customers;

drop table if exists actions;
drop table if exists user_actions;
drop table if exists users;

create table users (
        id int(11) not null auto_increment,
        email varchar(40) not null,
        first_name varchar(20) not null,
        last_name varchar(20) not null,
        password varchar(15) not null,
        primary key (id)
);

create table actions (
        id int(11) not null auto_increment,
        post text,
        like_post int(11),
        friend_request int(11),
        comment tinytext,
        upload_image blob,
        primary key(id),
        foreign key (user_id) references users(id)
);

create table user_actions (
        action_id int(11) not null,
        user_id int(11) not null,
        id int(11),
        primary key (action_id, user_id),
        foreign key (action_id) references actions(id),
        foreign key (user_id) references users(id)
);
```

Hello I attempted to make my sql file go into terminal multiple times and cannot figure out why it won't work; I tried restarting my computer and could not get back even into sql.

Name	^	Date Modified	Size
📄 Career Services Assignment 5 - Attend a Meetup		Aug 15, 2019 at 10:27 PM	
🟢 database3.sql		Today at 7:50 PM	810
📄 HW3SQL.pdf		Today at 6:39 PM	10
📄 Quiz3SQL.pdf		Yesterday at 4:09 PM	10
📘 SQLWEEK3HW		Today at 6:53 PM	
📘 SQLWEEK3QUIZ		Aug 14, 2019 at 3:22 PM	
📄 Untitled-1		Today at 7:50 PM	810

```
⬤⬤⬤                    WEEK3SQL — -bash — 117×25
Last login: Sat Aug 10 17:15:45 on ttys000
[Danielles-MacBook-Air:~ danielleyokley$ docx -convert allfiles /Users/danielleyokley/SQLPROJECTFOL
K3QUIZ.docx
-bash: docx: command not found
[Danielles-MacBook-Air:~ danielleyokley$ cd /Users/danielleyokley/SQLPROJECTFOLDER/WEEK3SQL/WEEK3QU
-bash: cd: /Users/danielleyokley/SQLPROJECTFOLDER/WEEK3SQL/WEEK3QUIZ.sql: Not a directory
[Danielles-MacBook-Air:~ danielleyokley$ cd /Users/danielleyokley/SQLPROJECTFOLDER/WEEK3
-bash: cd: /Users/danielleyokley/SQLPROJECTFOLDER/WEEK3: No such file or directory
[Danielles-MacBook-Air:~ danielleyokley$ cd /SQLPROJECTFOLDER/WEEK3SQL/WEEK3QUIZ.sql
-bash: cd: /SQLPROJECTFOLDER/WEEK3SQL/WEEK3QUIZ.sql: No such file or directory
[Danielles-MacBook-Air:~ danielleyokley$ sudo /usr/local/mysql/support-files/mysql.server start
Password:
Starting MySQL
...............................................................................................
r quit without updating PID file (/usr/local/mysql/data/Danielles-MacBook-Air.local.pid).
[Danielles-MacBook-Air:~ danielleyokley$ cd /Users/danielleyokley/SQLPROJECTFOLDER/WEEK3SQL
[Danielles-MacBook-Air:WEEK3SQL danielleyokley$ Mysql -u root -p < database3.sql
-bash: Mysql: command not found
[Danielles-MacBook-Air:WEEK3SQL danielleyokley$ mysql -u root -p
-bash: mysql: command not found
[Danielles-MacBook-Air:WEEK3SQL danielleyokley$ mysql -u root -p < database3.sql
-bash: mysql: command not found
[Danielles-MacBook-Air:WEEK3SQL danielleyokley$ mysql
-bash: mysql: command not found
Danielles-MacBook-Air:WEEK3SQL danielleyokley$ ▯
```

After re-launching terminal and performing machine reboot:

MySQL to terminal shell in ✕   +

ⓘ Not Secure | gigoblog.com/2011/03/13/add-mysql-

Promineo Tech: L...   🔲 ManageEngine Se...   ✕ Ho

Open terminal, and type:

```
1  echo 'export PATH=/usr/local/mysql/bi
```

Name			
📄 sodonelol			
📄 whhyyy			
📄 sql	Today at 8:18 PM	220 KB	JPEG im
📄 mysqlfile	Today at 7:57 PM	302 KB	JPEG im
📄 Screen Shot 2019-08-14 at 3.59.24 PM	Aug 14, 2019 at 3:59 PM	653 KB	PNG ima
📄 convertto	Aug 14, 2019 at 3:29 PM	230 KB	JPEG im
📄 helpwithformat	Aug 14, 2019 at 3:26 PM	321 KB	JPEG im
week2sql hw discussion	Aug 10, 2019 at 5:12 PM	93 KB	Micros

```
⬤⬤⬤                    bin — -bash — 80×24
>> ~/.bash_profile
[Danielles-Air:bin danielleyokley$ env
TERM_PROGRAM=Apple_Terminal
SHELL=/bin/bash
TERM=xterm-256color
TMPDIR=/var/folders/ty/mnb4lm951pjbs94s491wm3lw0000gn/T/
Apple_PubSub_Socket_Render=/private/tmp/com.apple.launchd.HO40VxJjLB/Render
TERM_PROGRAM_VERSION=404
TERM_SESSION_ID=C6BE46D7-534F-4F64-A7DE-84E4C98E53D9
USER=danielleyokley
SSH_AUTH_SOCK=/private/tmp/com.apple.launchd.DX8qpkdanA/Listeners
PATH=/usr/local/bin:/usr/bin:/bin:/usr/sbin:/sbin
PWD=/usr/local/mysql/bin
LANG=en_US.UTF-8
XPC_FLAGS=0x0
XPC_SERVICE_NAME=0
SHLVL=1
HOME=/Users/danielleyokley
LOGNAME=danielleyokley
_=/usr/bin/env
OLDPWD=/Users/danielleyokley
[Danielles-Air:bin danielleyokley$ mysql
-bash: mysql: command not found
Danielles-Air:bin danielleyokley$ ▯
```

URL to GitHub Repository: https://github.com/danielleyokley/WEEK3SQL.git