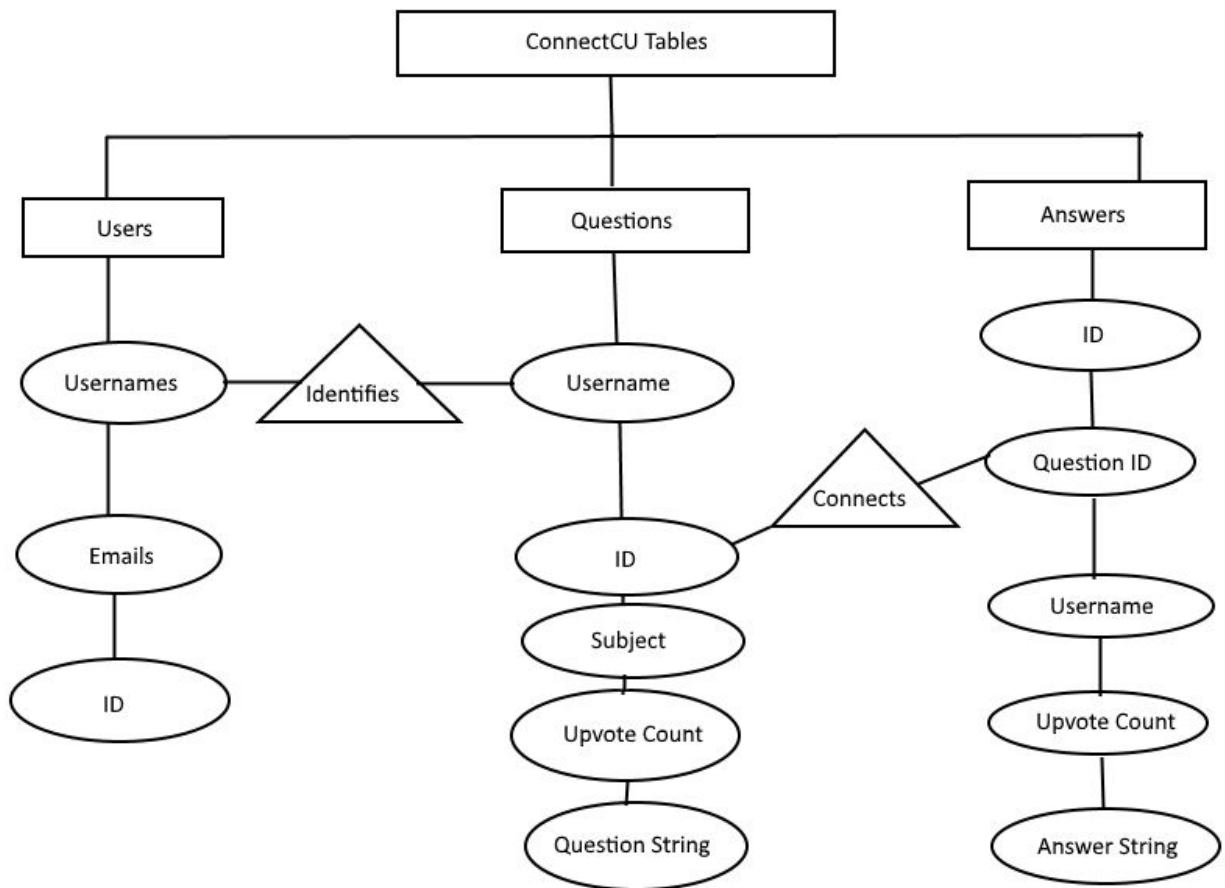


Milestone #3

For our database we will be using MySQL. It will consist of three tables: users, questions, and answers. It organizes the data so it can be queried quickly and easily.

Diagram:



Code to create tables:

```
drop table users;
```

```
drop table questions;
```

```
drop table answers;
```

```
create table users (id integer primary key, email char(40), username char(20));
```

```
create table questions (id integer primary key, message char(255), subject char(16), score integer,  
    user char(20) references users(username));
```

```
create table answers (id integer primary key, question_id integer references questions(id),  
    message char(255), score integer, user char(20) references users(username));
```

Code to populate database:

```
insert into users values (1, "tymo1918@colorado.edu", "tylermoore");
```

```
insert into questions values (1, "What's 2 + 2?", "Math", 5, "tylermoore");
```

```
insert into answers values (1, 1, "The answer is 4", 10, "tylermoore");
```

In general, we plan to populate the database dynamically from user input, so this is not what the final populated data will look like.