

```
CREATE TABLE user ( id INT AUTO_INCREMENT  
PRIMARY KEY, username TEXT NOT NULL,  
password_hash TEXT NOT NULL, email TEXT NOT NULL,  
admin BOOLEAN DEFAULT FALSE, subforum_start INT  
NOT NULL, theme BOOLEAN DEFAULT FALSE);
```

```
CREATE TABLE subforum ( id INT AUTO_INCREMENT  
PRIMARY KEY, title TEXT NOT NULL, description TEXT  
NOT NULL, parent_id INT, hidden BOOLEAN DEFAULT  
FALSE, FOREIGN KEY (parent_id) REFERENCES  
subforum(id) ON DELETE SET NULL );
```

```
CREATE TABLE post (id INT AUTO_INCREMENT PRIMARY KEY,  
title TEXT NOT NULL,  
content TEXT NOT NULL,  
user_id INT, subforum_id INT, like_count INT, dislike_count INT,  
public_view BOOLEAN DEFAULT TRUE, postdate DATETIME,  
FOREIGN KEY (user_id) REFERENCES user(id) ON DELETE  
CASCADE,  
FOREIGN KEY (subforum_id) REFERENCES subforum(id) ON DELETE  
CASCADE);
```

```
CREATE TABLE comment ( id INT AUTO_INCREMENT PRIMARY KEY,  
content TEXT NOT NULL, postdate DATETIME, user_id INT, post_id INT,  
FOREIGN KEY (user_id) REFERENCES user(id) ON DELETE CASCADE,  
FOREIGN KEY (post_id) REFERENCES post(id) ON DELETE CASCADE);
```

mysql -u root

USE circuscircus;

SHOW TABLES;

DESCRIBE message;

\q

```
CREATE TABLE post (  
    id INT AUTO_INCREMENT PRIMARY KEY,  
    title TEXT NOT NULL,  
    content TEXT NOT NULL,  
    user_id INT,  
    subforum_id INT, like_count INT, dislike_count INT, public_view BOOLEAN DEFAULT TRUE,  
    postdate DATETIME,  
    FOREIGN KEY (user_id) REFERENCES user(id) ON DELETE CASCADE,  
    FOREIGN KEY (subforum_id) REFERENCES subforum(id) ON DELETE CASCADE);
```

```
CREATE TABLE message (  
    id INT AUTO_INCREMENT PRIMARY KEY,  
    sender_id INT NOT NULL,  
    receiver_id INT NOT NULL,  
    message TEXT NOT NULL,  
    postdate DATETIME DEFAULT CURRENT_TIMESTAMP,  
    FOREIGN Key (sender_id) REFERENCES user(id),  
    FOREIGN KEY (receiver_id) REFERENCES user(id)  
);
```