### Making a reply

INSERT INTO Reply(ReplyOwnerEmail,ReplyBody)

VALUES (<owner email>,<reply body>);

### Deleting a reply if owner or admin

DELETE FROM Reply

WHERE ReplyID = <reply\_id>

AND (

ReplyOwnerEmail = '<user\_email>' -- Check if the user is the owner of the reply

OR '<user\_email>' = (SELECT AdminEmail FROM Forum WHERE ForumName = (SELECT ForumName FROM Post WHERE PostID = <reply\_post\_id>)) -- Check if the user is an admin for the forum associated with the reply

);

### Delete post if owner or admin

DELETE FROM Post

WHERE PostID = <post\_id>

AND (

PostOwnerEmail = '<user\_email>' -- Check if the user is the owner of the post

OR '<user\_email>' = (SELECT AdminEmail FROM Forum WHERE ForumName = (SELECT ForumName FROM Post WHERE PostID = <post\_id>)) -- Check if the user is an admin for the forum associated with the post

);

### Viewing post and comments

SELECT Post.\*

FROM Post

INNER JOIN Forum ON Post.ForumName = Forum.ForumName

WHERE Forum.ForumName = '<forum\_name>';

SELECT Post.\*

FROM Post

INNER JOIN Forum ON Post.ForumName = Forum.ForumName

WHERE Forum.ForumName = '<forum\_name>';

### 

### Modifying post if owner

UPDATE Post

SET Title = '<new\_title>', Body = '<new\_body>'

WHERE PostID = <post\_id>

AND PostOwnerEmail = '<user\_email>';

### Modify Reply if owner

UPDATE Reply

SET ReplyBody = '<new\_reply\_body>'

WHERE ReplyID = <reply\_id>

AND ReplyOwnerEmail = '<user\_email>';

### Making a post

INSERT INTO Post (PostID, PostOwnerEmail, ForumName, Title, Body, PostDate)

VALUES (<post\_id>, '<owner\_email>', '<forum\_name>', '<post\_title>', '<post\_body>', NOW());

### Making a account(user)

INSERT INTO User (Email, FirstName, LastName, Username, Password, ProfilePicture, IsAnonymous)

VALUES ('<email>', '<first\_name>', '<last\_name>', '<username>', '<password>', '<profile\_picture>', <is\_anonymous>);

### Verifying account

SELECT COUNT(\*) AS count

FROM User

WHERE Username = '<username>'

AND Password = '<password>';

### Altering user data

UPDATE User

SET

FirstName = '<new\_first\_name>',

LastName = '<new\_last\_name>',

Phone\_number = '<new\_phone\_number>',

Email = '<new\_email>',

State\_residence = '<new\_state\_residence>'

WHERE

Username = '<username>';

### Seeing existing forums