

SOCIAL NETWORKING SYSTEM



GROUP **MEMBERS**

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INTRODUCTION OF THE PROJECT

A social networking site is an online platform that allows users to create a public profile and interact with other users. Social networking sites usually allow a new user to provide a list of people with whom they share a connection, and then allow the people on the list to confirm or deny the connection. After connections are established, the new user can search the networks of connections to make more connections.

A social networking site is also known as a social networking website or social website.

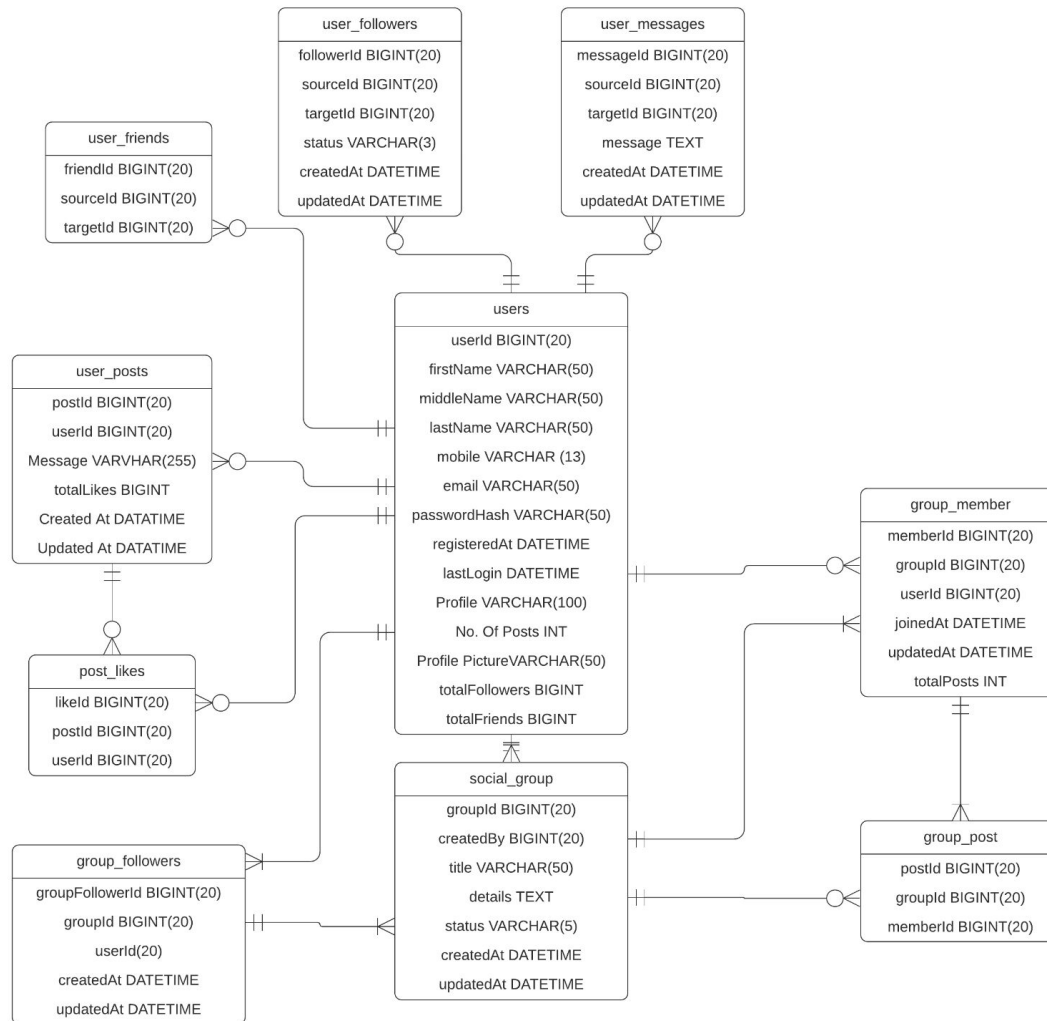
SCOPE OF THE PROJECT

The scope of social networking is widening, and today it offers a strong support to the companies in providing the much desired touch of concern. It enables users to post some informative materials, users can join different groups to stay tuned, users may also follow some groups for seeking information according to their concern, users can also like or post any material they liked. Basically the SNS turned this world into a global village in which everyone is connected and updated.

ER DIAGRAM

ERD FOR SOCIAL NETWORKING WEBSITE

BY INSHAL AYAZ AND AREEB A MEHMOOD



QUERY 1

In the first query we pass the user Id as argument then it will fetch out the name of the user and it will enlist all the posts made by the user and the likes received on that post. The data is coming from two different tables from User Table and User Post Table

```
1st Query To Show* x
[Icons] Limit to 1000 rows [Icons]
1 • select users.username, users.email, user_posts.postId,user_posts.userMessages,user_posts.totalLikes
2 FROM users
3 INNER JOIN user_posts
4 on user_posts.userId = users.userId
5 where users.userId = 1
6 ✖ CREATE FUNCTION getUserPosts(@userId INT)
7 RETURNS TABLE
8 AS
9 RETURN(
10     select users.username, users.email, user_posts.postId,user_posts.userMessages,user_posts.totalLikes
11     FROM users
12     INNER JOIN user_posts
13     on user_posts.userId = users.userId
14     where users.userId = @userId
15 )
16 select * from dbo.getUserPosts(2)
```

RESULT

Results		Messages			
	username	email	postId	userMessages	totalLikes
1	koraydaglaroglu2	koray.daglaroglu@example.com	41	molestias id nostrum excepturi molestiae dolore o...	19
2	koraydaglaroglu2	koray.daglaroglu@example.com	78	nobis facilis odit tempore cupiditate quia assume...	26

QUERY 2

In Query 2 it displays the chat of the user with other people, we pass the

Two User Id's as argument, the sender of the message and other is the

Receiver of the message and also displays the conversation among these

Friends.

```
query to show 2* x
Limit to 1000 rows
1 • select users.username,users.userId, msg.messageId, msg.sourceId, msg.targetId,msg.userMessage
2 from users
3 inner join user_message as msg
4 on msg.sourceId = users.userId
5 where msg.sourceId = 19 and msg.targetId = 3 or msg.sourceId = 3 and msg.targetId = 19
6 ✖ create FUNCTION display_chat(@sourceId INT, @targetId INT)
7 RETURNS TABLE
8 AS
9 RETURN(
10 select users.username,users.userId, msg.messageId, msg.sourceId, msg.targetId,msg.userMessage
11 from users
12 inner join user_message as msg
13 on msg.sourceId = users.userId
14 where msg.sourceId = @sourceId and msg.targetId = @targetId or msg.sourceId = @targetId and msg.targetId = @sourceId
15 )
16 select * from dbo.display_chat(19,3)
```

RESULT

Results		Messages				
	username	userId	messageId	sourceId	targetId	userMessage
1	franciscamendez3	3	1	3	19	laudantium enim quasi est quidem magnam volupta...
2	franciscamendez3	3	258	3	19	aut cum sint qui facere blanditiis magnam consequ...
3	vincenzobrand18	19	502	19	3	test message

QUERY 3

Query 3 display all the groups the user has followed extracting data from 3 different tables, from parent table, groups table and group followers table.

It lists the username from user table counts, gets the followed group Id from followers table and group information from group table

```
select users.userId, users.username, group_followers.groupId as "Groups Followed", social_group.title as "Group Name",
FROM users
INNER JOIN group_followers
ON users.userId = group_followers.userId
Inner JOIN social_group
ON group_followers.groupId = social_group.groupId
Where users.userId = 4

CREATE FUNCTION userFollowedGroups(@userId INT)
RETURNS TABLE
RETURN(
select users.userId, users.username, group_followers.groupId as "Groups Followed",
social_group.title as "Group Name", social_group.details, social_group.createdBy as "Group Creator ID"
FROM users
INNER JOIN group_followers
ON users.userId = group_followers.userId
Inner JOIN social_group
ON group_followers.groupId = social_group.groupId
Where users.userId = @userId
)
```

Results Messages

userId	username	Groups Followed	Group Name	details	Group Creator ID
4	naëlfoumier4	37	provid	debitis et eaque non officia sed nesciunt pariatu...	37
4	naëlfoumier4	16	sint s	suscipit nam nisi quo aperiam aut asperiores eos...	12
4	naëlfoumier4	94	qui qu	aspematur expedita soluta quo ab ut similique e...	49