

Table: Users							
Sr No	ColumnName	DataType	Key	Reference	Constraint	isNullable	isUnique
1	user_id	bigint	pk		incremental	FALSE	TRUE
2	username	varchar(30)				FALSE	TRUE
3	email	varchar(30)				FALSE	TRUE
4	profile_info	text				TRUE	FALSE
5	activity_history	varchar				TRUE	FALSE
6	engagement_level	varchar				TRUE	FALSE
7	privacy_options	enum				FALSE	FALSE
8	demographic_info	varchar(255)				TRUE	FALSE

Table: Posts							
Sr No	ColumnName	DataType	Key	Reference	Constraint	isNullable	isUnique
1	post_id	bigint	pk		incremental	FALSE	TRUE
2	content	varchar(50)				FALSE	FALSE
3	timestamp	datetime				FALSE	FALSE
4	media_type	varchar(50)				TRUE	FALSE
5	user_id	bigint	fk	Users.user_id	incremental	FALSE	TRUE
6	visibility	enum					
7	group_id	bigint	fk	Groups.group_id	incremental	FALSE	TRUE

Table: Comments							
Sr No	ColumnName	DataType	Key	Reference	Constraint	isNullable	isUnique
1	comment_id	bigint	pk		incremental	FALSE	TRUE
2	content	varchar(50)				TRUE	FALSE
3	timestamp	datetime				FALSE	FALSE
4	post_id	bigint	fk	Posts.post_id	incremental	FALSE	TRUE
5	user_id	bigint	fk	Users.user_id	incremental	FALSE	TRUE

Table: Events							
Sr No	ColumnName	DataType	Key	Reference	Constraint	isNullable	isUnique
1	event_id	bigint	pk		incremental	FALSE	TRUE
2	name	varchar(30)				FALSE	FALSE
3	date	datetime				FALSE	FALSE
4	location	varchar(30)				FALSE	FALSE
5	user_id	bigint	fk	Users.user_id	incremental	FALSE	TRUE
6	group_id	bigint	fk	Groups.group_id	incremental	FALSE	TRUE

Table: Group_Message							
Sr No	ColumnName	DataType	Key	Reference	Constraint	isNullable	isUnique
1	group_id	bigint	fk	Groups.group_id	incremental	FALSE	TRUE
2	message_id	bigint	fk	Messages.message_id	incremental	FALSE	TRUE

Table: Post_Group							
Sr No	ColumnName	DataType	Key	Reference	Constraint	isNullable	isUnique
1	post_id	bigint	fk	Posts.post_id	incremental	FALSE	TRUE
2	group_id	bigint	fk	Groups.group_id	incremental	FALSE	TRUE

Table: Groups							
Sr No	ColumnName	DataType	Key	Reference	Constraint	isNullable	isUnique
1	group_id	bigint	pk		incremental	FALSE	TRUE
2	group_name	varchar(20)				FALSE	FALSE
3	description	varchar(30)				TRUE	FALSE
4	privacy_settings	varchar(20)				TRUE	FALSE

Table: Advertisements							
Sr No	ColumnName	DataType	Key	Reference	Constraint	isNullable	isUnique
1	ad_id	bigint	pk		incremental	FALSE	TRUE
2	content	varchar(30)				FALSE	FALSE
3	target_audience	varchar				TRUE	FALSE
4	budget	bigint				FALSE	FALSE
5	impressions	bigint				FALSE	FALSE
6	clicks	bigint				FALSE	FALSE

Table: Messages							
Sr No	ColumnName	DataType	Key	Reference	Constraint	isNullable	isUnique
1	message_id	bigint	pk		incremental	FALSE	TRUE
2	content	varchar(30)				FALSE	FALSE
3	timestamp	datetime				FALSE	FALSE
4	sender_id	bigint				FALSE	TRUE
5	receiver_id	bigint				FALSE	TRUE
6	status	varchar(10)				TRUE	FALSE
7	user_id	bigint	fk	Users.user_id	incremental	FALSE	TRUE

Table: Likes							
Sr No	ColumnName	DataType	Key	Reference	Constraint	isNullable	isUnique
1	like_id	bigint	pk		incremental	FALSE	TRUE
2	comment_id	varchar(50)	fk	Comments.comment_id	incremental	FALSE	TRUE
3	post_id	datetime	fk	Posts.post_id	incremental	FALSE	TRUE
4	user_id	bigint	fk	Users.user_id	incremental	FALSE	TRUE
5	date	datetime				FALSE	FALSE
6	message_id	bigint	fk	Users.user_id	incremental	FALSE	TRUE

Table: User_Group							
Sr No	ColumnName	DataType	Key	Reference	Constraint	isNullable	isUnique
1	user_id	bigint	fk	Users.user_id	incremental	FALSE	TRUE
2	group_id	bigint	fk	Groups.group_id	incremental	FALSE	TRUE

Table: User_Advertisement							
Sr No	ColumnName	DataType	Key	Reference	Constraint	isNullable	isUnique
1	user_id	bigint	fk	Users.user_id	incremental	FALSE	TRUE
2	ad_id	bigint	fk	Advertisements.ad_id	incremental	FALSE	TRUE