

ER Diagram Documentation

Users: Table that holds all users of the social network

UserID - Primary Key

FirstName- User's first name

LastName- User's last name

Username- User's username (handle)

Email- User's email

BirthDate- User's date of birth

Location- User's geographical location

ProfileImageUrl- User's profile picture URL (stored on server)

Bio- User's profile bio description

ReputationPoints- User's reputation points

IsAdministrator- User's admin status

BanStatus- User's ban status

CreateDate- User's profile creation date

UpdateDate- User's last update date

Follows: Table that tracks which users are following which users

FollowerID-Primary Key, Foreign Key, References Users.UserID

FolloweeID- Primary Key, Foreign Key, References Users.UserID

Communities: Table that holds the religions / communities that users may belong to

CommunityID- Primary Key

Name- Name of the community

Description- Description of the community

IsVerified- Is the community a verified community (verified by the admins)

CreateDate- When was the community created

BanStatus- Community's ban status

Members: Table that tracks which users belong to which communities

UserID- Primary Key, Foreign Key, References Users.UserID

CommunityID- Primary Key, Foreign Key, References Communities.CommunityID

Moderators: Table that tracks which users are moderating which communities

UserID- Primary Key, Foreign Key, References Users.UserID

CommunityID- Primary Key, Foreign Key, References Communities.CommunityID

Posts: Table that hold posts / prayer requests that users create

PostID- Primary Key
UserID- Foreign Key
Upvotes- Number of upvotes
Downvotes- Number of Downvotes
BodyText- Body text
PostTitle- Title of post
CreateDate- Date of creation
IsComplete- Boolean value that marks a post as a complete or a prayer as “answered”

PostUpdates: Table that holds all updates that users add to their posts

PostUpdateID- Primary Key
PostID- Foreign Key, References Posts.PostID
BodyText- Body text for the post update

PostsToCommunities: Table that tracks which posts are posted on which communities

PostID- Primary Key, Foreign Key, References Posts.PostID
CommunityID- Primary Key, Foreign Key, Reference Communities.CommunityID

TaggedPosts: Table that tracks which hashtags are used on which posts

HashtagName- Primary Key, Foreign Key, References Hashtags.HashtagName
PostID- Primary Key, Foreign Key, References Posts.PostID

Hashtags: Table that holds all the hashtags that are created by users

HashtagName- Primary Key, the unique name of the hashtag

Comments: Table that holds all comments that are posted on users' requests

CommentID- Primary Key
UserID- Foreign Key, References Users.UserID
PostID- Foreign Key, References Posts.PostID
BodyText- Body text for the comment

Reports: Table that holds moderator / admin reports for problematic posts

ReportID- Primary Key
PostID- Foreign Key, References Posts.PostID
ReportReason- Reason for the report (message from the reporter)