Project Milestone 1
COL362

Team name : BotsAlot
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Introduction

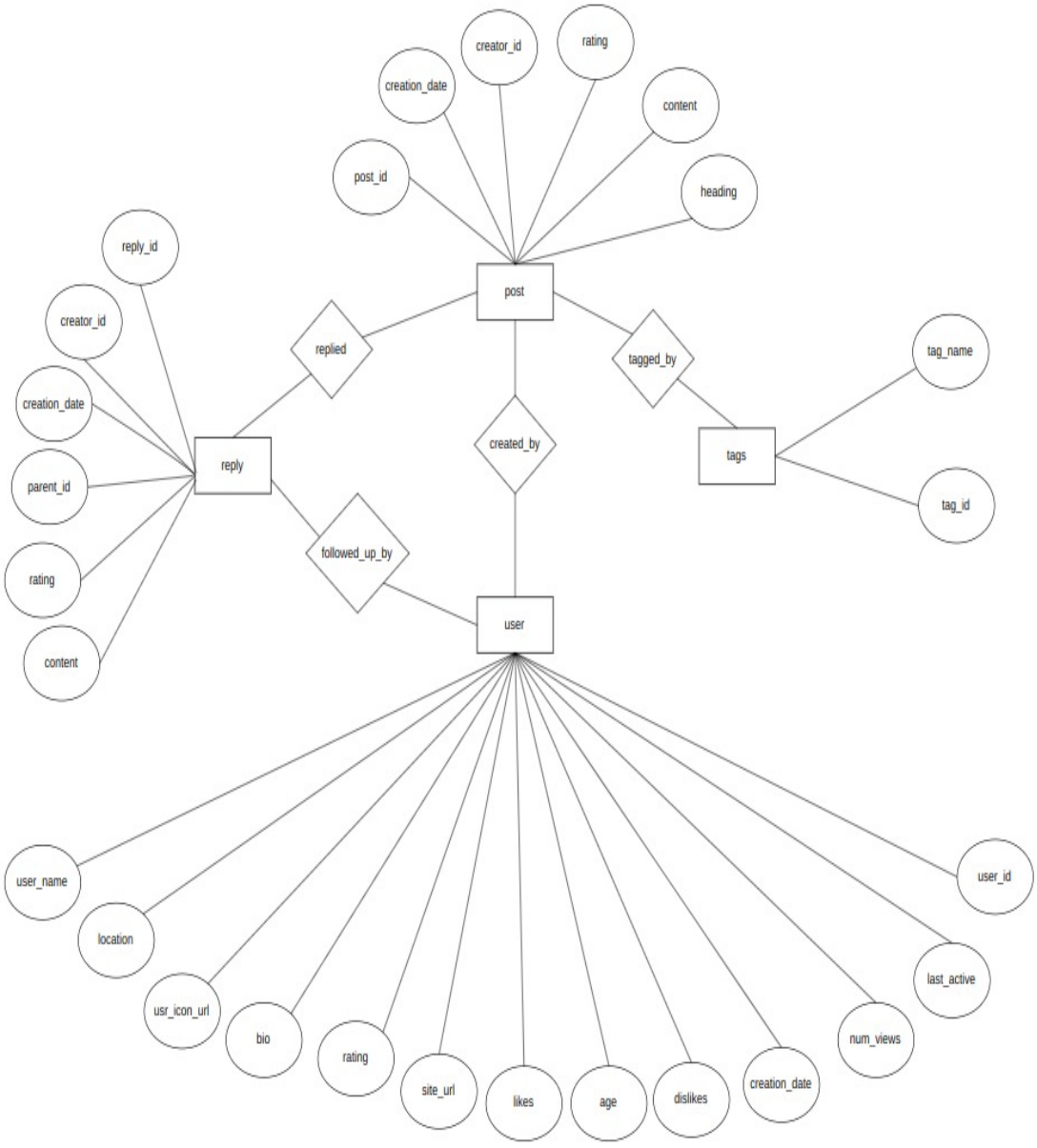
Our platform is designed to be a dynamic question and answer forum, where users can ask and answer questions on a wide range of topics. We have leveraged data from StackOverflow to build a valuable resource that will make it easier for people to gain knowledge and clear their doubts.

Our primary goal is to facilitate the sharing of knowledge and experience among users. We understand that when someone learns a new tool or software, they often have many questions and uncertainties. Our forum provides a space where users can ask these questions and receive answers from experts and peers in the community. Even if a user does not have a specific question, they can still learn more about a particular technology by reading and contributing to the discussions.

We believe that asking and answering questions is one of the best ways to learn something new. By creating a platform that makes this process easy and accessible, we hope to help people expand their knowledge and improve their skills. Our Q&A forum provides a supportive and collaborative environment for people to share their expertise and learn from one another.

At the heart of our platform is the idea that knowledge is a communal resource. We believe that everyone has something to offer, and our forum allows users to tap into the collective wisdom of the community. Our platform is a space where people can connect, learn, and grow together.

ER Diagram


creator_id
rating
creation_date
content
post_id
heading
reply_id
post
creator_id
replied
tagged_by
tag_name
creation_date
created_by
tags
reply
parent_id
tag_id
followed_up_by
rating
user
content
user_name
user_id
location
last_active
usr_icon_url
bio
num_views
rating
site_url
likes
age
dislikes
creation_date

Functional Dependencies

Functional dependencies below are non-trivial and are in normalized form

Table name : reply
reply_id → creator_id, creation_date, parent_id, rating, content

Table Name : user
user_id → user_name, bio, age, creation_date, last_active, location, rating, likes, dislikes, num_views, user_icon_url, site_url

Table name : post
post_id → creator_id, creation_date, heading, rating, content

Table name : tags
tag_id → tag_name

FD preserving normalizations:

Since all the tables are uniquely determined by only the primary key , all the tables are in Boyce-Codd normalized form .

Relational Schema :

1. Table name : post
   post(**post_id**, creator_id, creation_date, heading, rating, content)

2. Table name : user

   user(**user_id**,user_name, bio, age, creation_date, last_active, location, rating, likes, dislikes, num_views, user_icon_url, site_url)

3. Table name : tags

   tags(**tag_id** , tag_name)

4. Table name : reply

   reply(**reply_id** , creator_id, creation_date, parent_id, rating, content)

Github Repo: Currently private

Link : https://github.com/Sidawhiz/COL362-Project