

ERD Presentation

Social Media Clone

Zarif Ishmam - 2305035
Fajrin Anjum Thuja - 2305034

Supervisor: Asif Azad Sir
Department of CSE, BUET

January 18, 2026

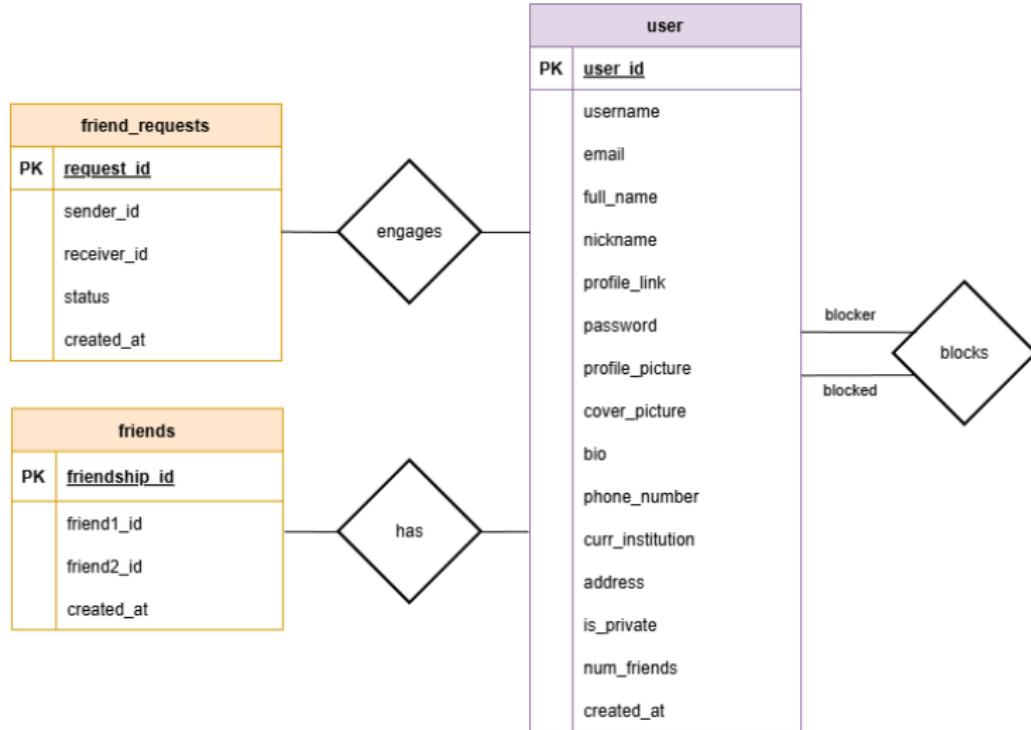
Main Features

- User Profile
- Friendship System
 - Friend Requests, Blocked Users
- Messaging
 - Direct Messages, Group Chats
- Posts and Interaction
 - Likes, Comments, Comment Replies
- Stories
- Content Moderation
 - Inappropriate content is flagged
- Notifications
 - Friend Requests, Likes, Comments, Messages trigger notifications

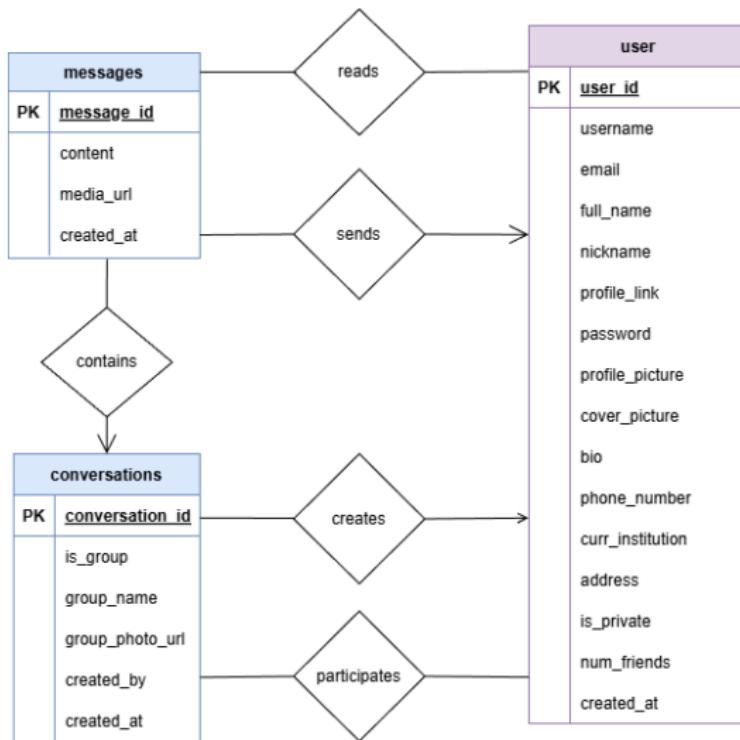
User Profile

user	
PK	<u>user_id</u>
	username
	email
	full_name
	nickname
	profile_link
	password
	profile_picture
	cover_picture
	bio
	phone_number
	curr_institution
	address
	is_private
	num_friends
	created_at

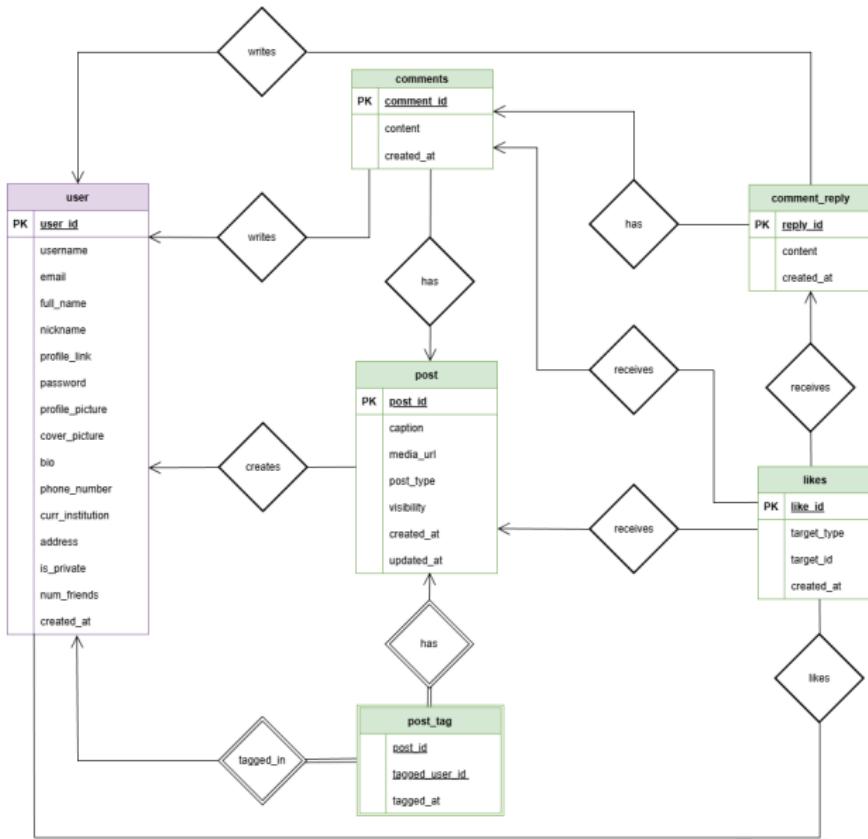
Friendship System



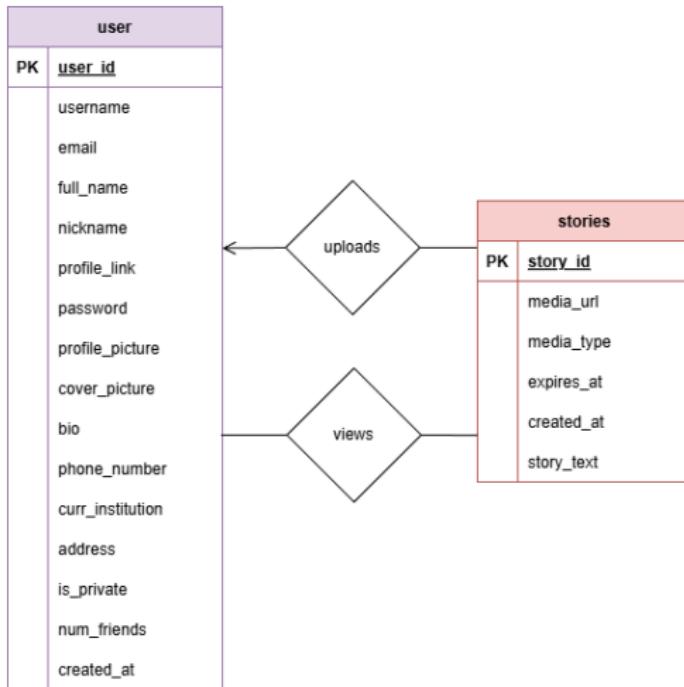
Messaging



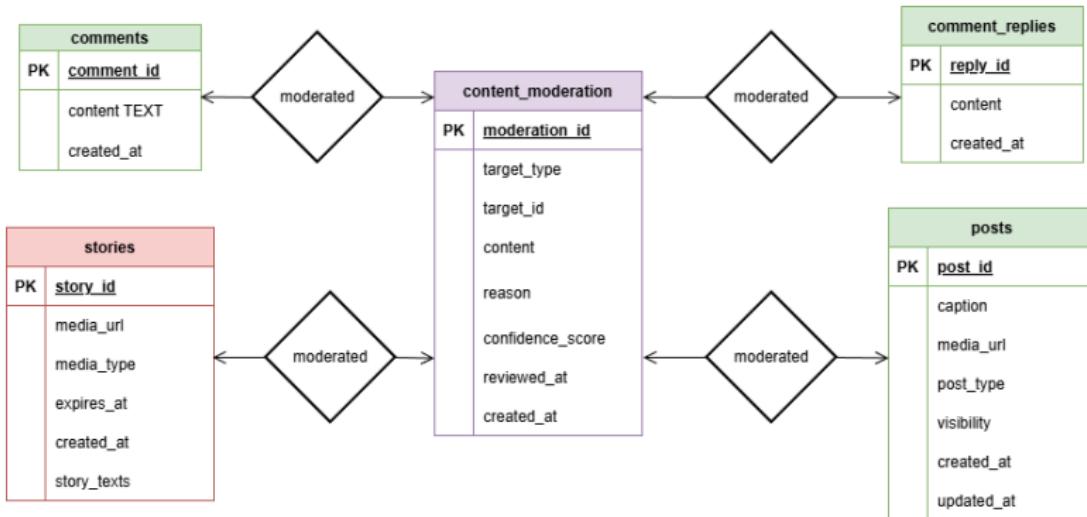
Posts and Interaction



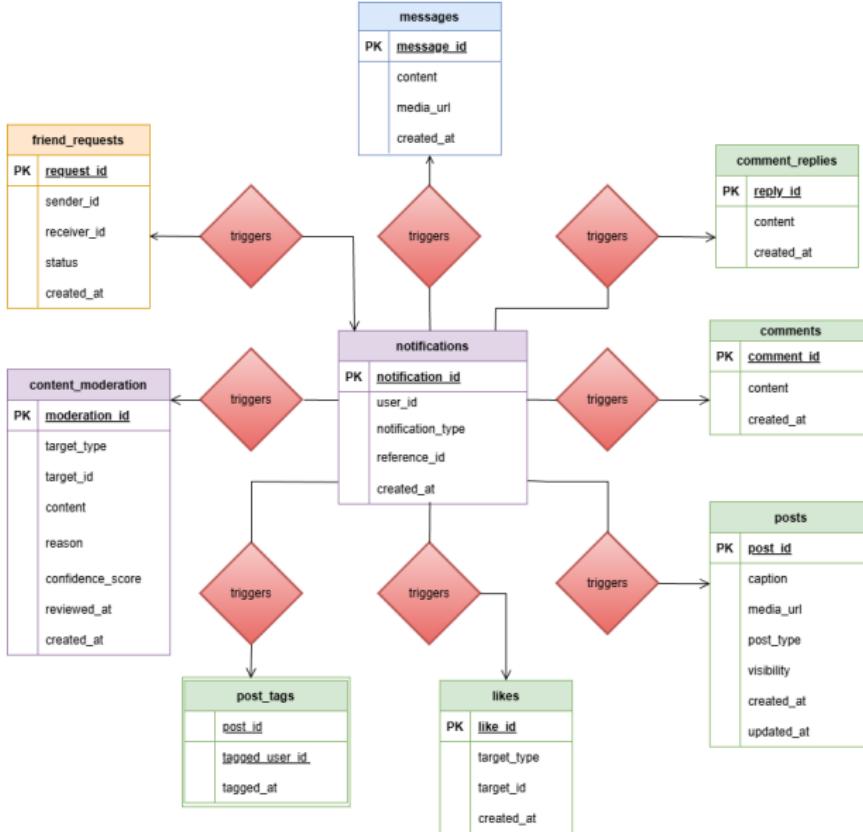
Stories



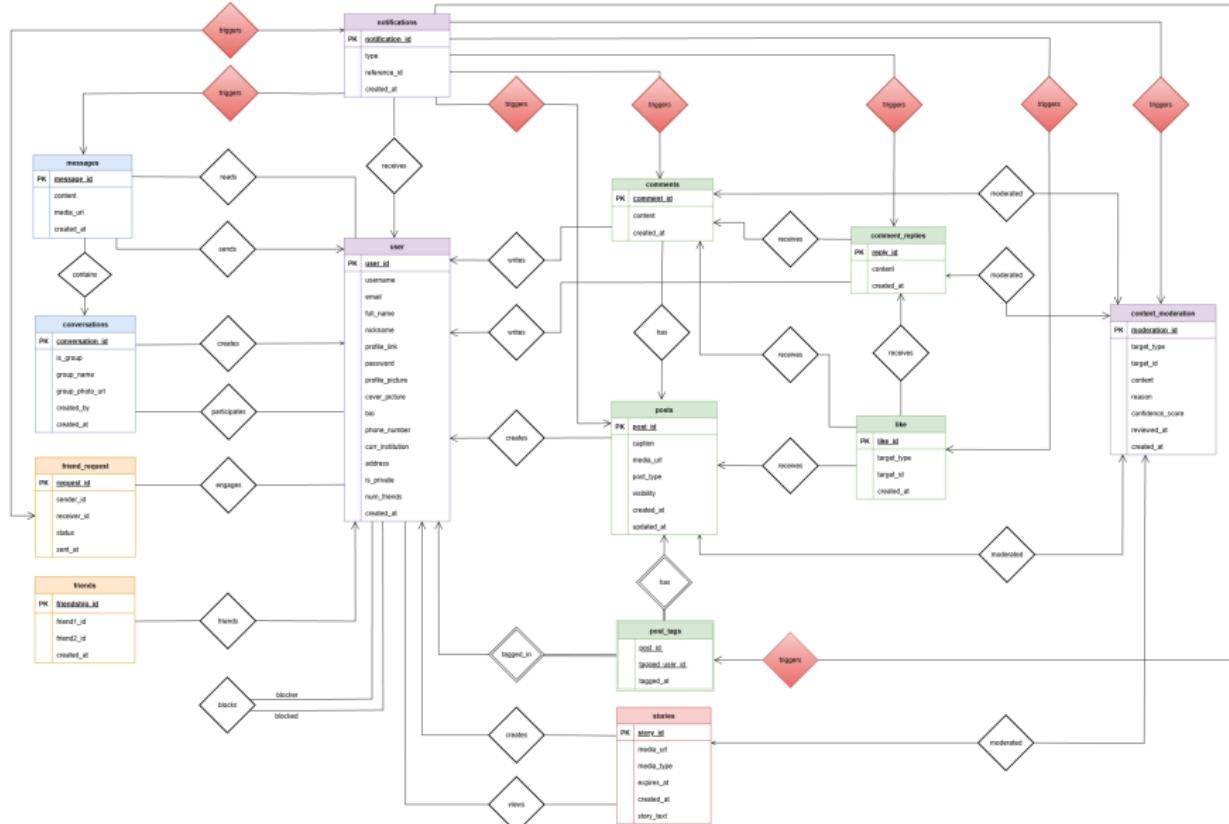
Content Moderation



Notifications



ER Diagram



Thanks!
Any questions?