



**Database Systems**

**CS353**

**Project Proposal**

**Group 6**

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## **1. The Description of the Application System**

Our web application purpose is providing suggestions to people some topics and this web application is an social new aggregation, web content rating and discussion website. People can be informed about anything if there is a topic and subtopic about it. Our website name is Tidder. Tidder is a system which will be implemented to a discussion website. In this website, users will be able to post topics under the relevant subsections and expect answers from other users. This post can be a question or an idea or a suggestion about a certain event. To post topics, users need to register to the system and login with their user IDs and passwords. Each registered user has its own profile that they can write their biography, put their profile picture and they can see their last activities for example they can see their last posts and comments. Also, there is a small text that they can explain themselves as a signature. The users can speak with themselves directly by sending message to each other. However, if user don't want to take messages from another user, he/she can block this user. Users can also comment posts or other people's comment like writing a post directly. Users can follow other users and when somebody fallows a user, he/she can see this user's posts in the main page and if a user has lots of followers, his/her rating is increasing. Moreover, users can edit or change their posts and comments or profile.

## **2. Why/How a Database is going to be used**

Our aim for this project is to provide Database application for the Social Discussion Website. In our database there are many users(including admins and moderators), topic and subtopic, comment, sub comment etc. Users can post, make comment and sub comment send direct message. These events will create huge junk of the data and eventually, those data would be hard to manage without an automated database system. By using a database system, we can store all the information and event to our database. Database will be used for the following events;

- To determine user's permissions(admin,moderator,normal user)

- To take past most active users to display their user's page and it helps users to see their past activities and post.
- To store users comment, sub comments, post.

This database application is going to handle query operations, data entries and updates.

### 3. Functional Requirements

#### ➤ User

- *User can comment to posts or other people's comments.*
- *User can login and logout when they want*
- *User can send messages to other uses*
- *User can edit and delete their existing comments*
- *User can edit their biography*
- *User can edit their signature*
- *User can up vote and down vote a comment or a post.*
- *User can search for posts under certain topics.*

#### ➤ Admin

- *Admin can edit and delete other users comments or posts*
- *Admin can do everything a user can.*
- *Admin can assign new mod from a user*
- *Admin can change assigned topic of a mod*

#### ➤ Mod

- *Mod can edit and delete comments and posts under their assigned topic.*
- *Mod can do everything a user can.*

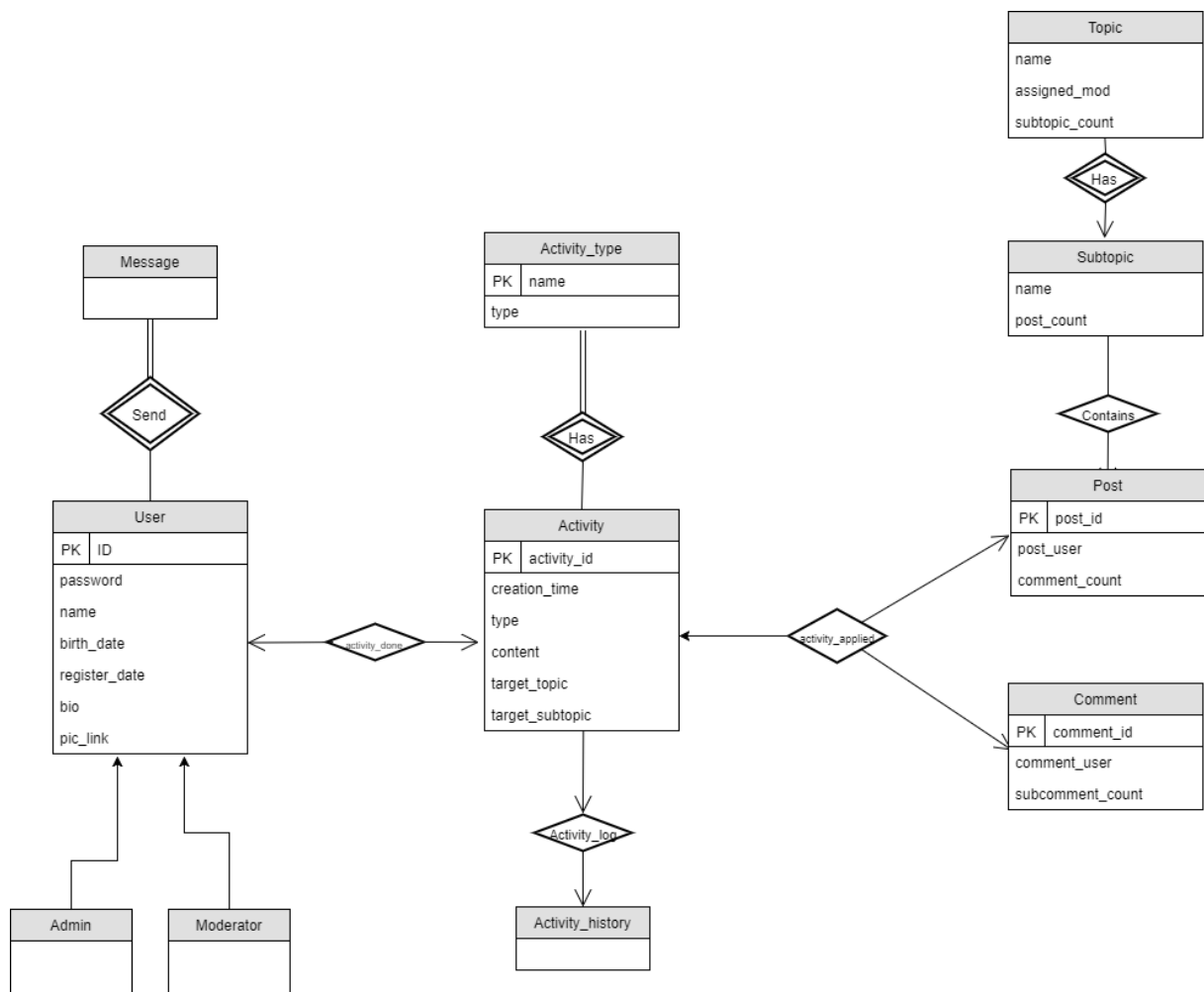
#### **4. Non-functional Requirements**

- Requests and responses of web page should be process less than a second
- System should be secure
- The system should be user-friendly
- System should store big amount of data and this should not cause any time loss

#### **5. Limitations**

- Users, admins and mods can only see their own direct message
- Users can only edit and delete their own posts or comments
- Mods can only edit and delete posts and comments they are assigned topics and their own activity
- People can only register as a user
- Only registered users are able to post and comment.
- Users cannot post anonymously.

## 6. ER Diagram



## 7. Web Site

<https://github.com/emrenass/CS353-Project>