Project Proposal: Social Media Platform

Group Name
OuritskayaJ

Group Members
Julia Ouritskaya

Project Description
The social media platform project intends to create an interactive and user-friendly platform where users may establish connections with each other, share posts, like and comment on posts, and engage in social interactions. The platform will offer functionalities like user registration, user login, profile management, post creation, post viewing, commenting, liking posts, connecting with other users, and providing customized news feeds.

MySQL Storage
The database management system (DBMS) that will be utilized to store and manage the data for the social media platform is MySQL.

Softwares, Apps, Languages, Libraries, and Hardware Used (Machine Restrictions)
Software: MySQL Database Server, MySQL Workbench, Java Development Kit (JDK)
Apps: Graphical User Interface
Languages: Java
Framework: JavaFX, Swing, or AWT
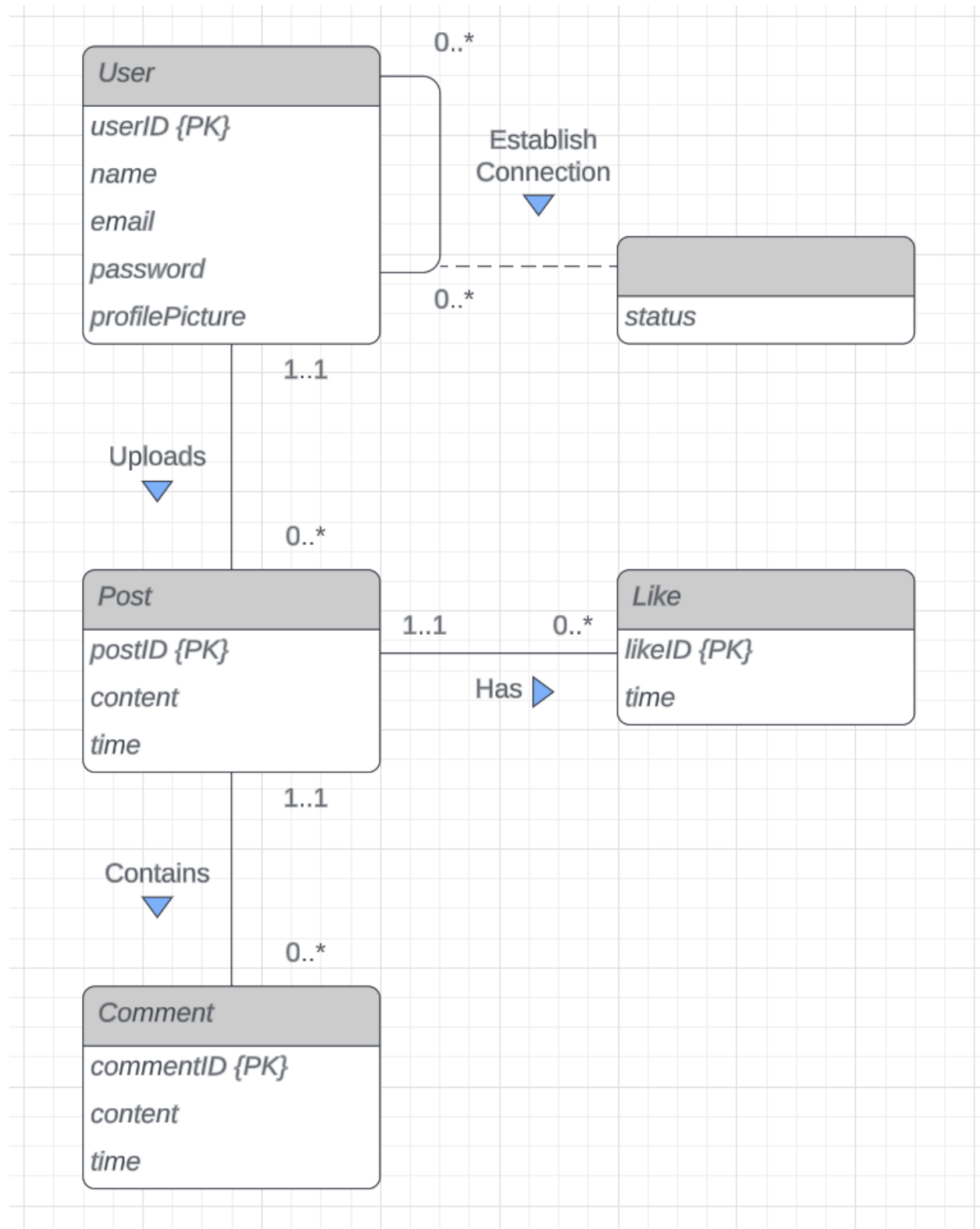Libraries: JDBC (Java Database Connectivity) for interacting with the MySQL database
Hardware: no specific hardware requirements
Machine Restrictions: no specific machine restrictions

Why does this project interest you?
This project interests me because social media platforms have become an integral part of our daily lives, providing a platform for communication, networking, and the exchange of knowledge. My ability to investigate different facts of database design, such as user administration, relationships between entities, and personalized data retrieval, is made possible by the development of this social media platform.

UML Diagram of Conceptual Design

User
- userID {PK}
- name
- email
- password
- profilePicture

0..*

Establish Connection

0..*

status

1..1

Uploads

0..*

Post
- postID {PK}
- content
- time

1..1   0..*   **Like**
                - likeID {PK}
                - time

Has

1..1

Contains

0..*

Comment
- commentID {PK}
- content
- time

Step by Step User Interaction