Lab 1: Use Case Diagram

Problem: Social Media

Design a Use case Model to show the activities of a user and admin on a social media platform. The user can create a new account, login to existing accounts, and manage accounts. To create an account, the user must provide a username, password and an email address. Creating an account and logging into existing accounts requires authentication which is done by sending an OTP to the registered email address. The user can perform post management actions and relationship management actions. Post management refers to creating posts, deleting posts, sharing posts and commenting on posts. Creating a post requires adding an image and a caption for the image. Relationship management refers to liking posts, following/unfollowing users, blocking/reporting users and commenting on posts. On the other side of the platform is the admin who oversees the activities of the user on the platform. The admin can temporarily suspend accounts, permanently ban accounts, review appeals by users on reported accounts and reported content. The admin can take respective action in the form of content moderation such as removing posts, comments and banning/suspending accounts.