

CSE 4410
DATABASE MANAGEMENT SYSTEMS II LAB

LAB_07: NoSQL Scenario

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- Think of a scenario of social media platform that allows users to create profiles, post, follow other users, and like posts. Generally, the user provides his basic information for example name, email, password (here you don't have to think of hashing password), phone no, date of birth, address, and profile creation date. Other than that users may add their working status (like what is he/she doing currently, and how long they are doing this), bios, hobbies, and so on. Any user can post content and anybody can like and comment on that post. Additionally, a user can follow others.

Now, your task is to:

1. Create necessary collections with respective attributes.
2. Insertion
 - (a) An entry of a user with only email, name and password.
 - (b) Multiple entries of users with basic info and hobbies.
 - (c) An entry of a user with basic info and working status.
 - (d) Add multiple followers for multiple users.
 - (e) Multiple posts with content, creation time, like and the user id who likes.
 - (f) Add multiple comments for multiple posts.
3. Data Retrieving
 - (a) Display the most recent to oldest posts along with their poster.
 - (b) Show all the posts that were created in the last 24 hours.
 - (c) Show all the users who have more than 3 followers.
 - (d) Show all the users who are following more than 3 users.