

Project 2 Description

For this project, you are not required to write a front end or any actual full application. You are simply meant to demonstrate your knowledge of MongoDB through writing the proper scripts for the functionalities mentioned below. You may hard-code the values in your scripts. Demo will be conducted through submission of a video by December 5th. As a final note, please ensure that your database is built in NoSQL thinking. This means you shouldn't create a separate collection for each of the items below, but rather encapsulate the data into one collection. The following items below certainly do not represent tables, nor should you separate them into separate collections for the purposes of this project. As always, I am available and accessible via eMail. We will have a lab session on Wednesday the 28th to discuss any help you may need for the project.

Functionalities

Build a Facebook-like system that has the following:

- Users: Users profiles can be created, modified, or deleted o
 - Required attributes
 - Name
 - Gender
 - Age
 - eMail
 - Username
 - Password
 - Profile Picture Path
 - Date account created
 - Any other attributes you think will be necessary from remaining requirements
 - Required scripts:
 - Script for creating a user
 - Script for updating a user
 - Script for deleting a user's account
- Posts: A user can create, modify, or delete a post
 - Required attributes:
 - Post text
 - Post date and time
 - Any other attributes you think will be necessary for remaining requirements
 - Required scripts:
 - Script for creating a user's post
 - Script for editing a user's post
 - Script for deleting a user's post
- Pictures: A user can post pictures
 - Required attributes:
 - The actual picture
 - Caption
 - Any other attributes you think will be necessary for remaining requirements
 - Required scripts:

- Script for creating a picture
 - Script for editing the picture's caption
 - Script for deleting a picture
- Comments: A user can post comments on any post, any picture, or any comment
 - Required attributes:
 - Comment text
 - Commenter
 - Any other attributes you think will be necessary for remaining requirements
 - Required scripts:
 - Script for creating a comment on a user's post
 - Script for creating a comment on a user's picture
 - Script for creating a comment on a user's comment
 - Script for editing any comment
 - Script for deleting any comment
- Reactions: A user can react to a user's any post, any picture, any comment, or any subcomment
 - Suggested reactions:
 - Love
 - Like
 - Dislike
 - Sad
 - Angry
 - Required attributes:
 - Reaction
 - Reactor
 - Any other attributes you think will be necessary for remaining requirements
 - Required scripts:
 - Script for creating a reaction on a user's post
 - Script for creating a reaction on a user's picture
 - Script for creating a reaction on a user's comment
 - Script for creating a reaction on a user's subcomment
 - Script for editing any reaction
 - Script for deleting any reaction