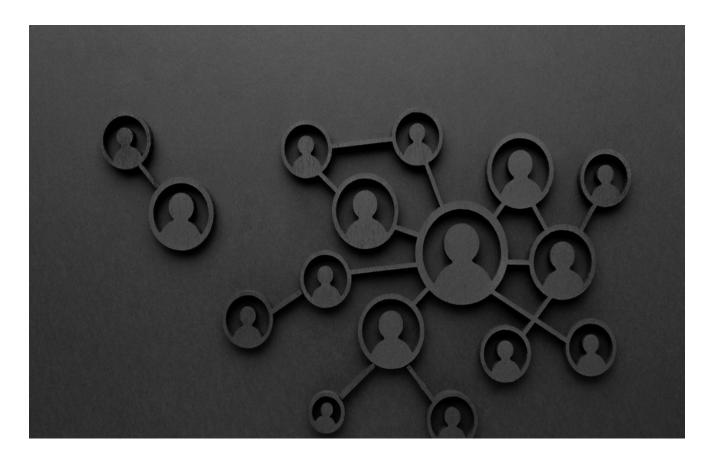MARLON PRYOR

Club Media Database Design

DATABASE OVERVIEW

For this project I will be using MongoDB as the database to handle the application data along with Mongoose for Schema as the data model. The application will interact with the database using Mongoose. I chose this because Mongoose creates an easy to use object reference when it interacts with MongoDB and I have more control over the model of the database within the code.

Justification

I stand behind the database technology I have chosen because again for the control over the model within the code and because it is a solid choice for the application that I have chosen. Making changes without having to deal with relations is a very helpful advantage.

Document Structure

The beauty of the application is that it has a small amount of data. The updated data structure is below:

POST schema:

```
({
    title: String,
    message: String,
    creator: String,
    tags: [String],
    selectedFile: String,
    likes: { type: [String], default: [] },
    comments: { type: [String], default: [] },
    createdAt: {
      type: Date,
      default: new Date(),
    },
})
```

ADDED:

After several comments I was made to think of adding the ability to 'like' a post.

User Interaction

This is a social media application and the purpose of it is to post messages and respond to messages. When the user is signed in, they are immediately directed to the landing page. From this page you can interact with the web application by creating, updating, deleting or viewing other posts. In order to view another post, you will click directly on the post itself and will then open into a details page. There it is the same information but you will have the option to post comments to the clicked post.

Minimum viable product (MVP)

Club Media is designed as a social media application but targeted to individual organizations, clubs, associations and businesses alike. It can be used by any group of friends, family and for specific events. Any member will be able to use the application to perform CRUD operations. I envision the application to grow with any specific group, club or organization to become a full social platform with other possible. Future features consist of chatting/direct messaging capabilities, as well as video chatting and conferencing. These are features that are not part of the MVP but can be added in the future. This application is a full stack design.

MVP Features

- Sign-In / Sign-up with authentication
- Ability to create, edit and delete social media POSTS
- Ability to browse and search for POSTS
- Ability to **like** and comment on POSTS