Database Design

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OVERVIEW

In this revised version it's still maintain core data structure I need to give users a MVP.

I will be using MongoDB to handle the data related to my web application. I chose a nonrelational database like MongoDB because I do not plan on creating relationship between entities. Additionally , I plan on using JavaScript frameworks like React.js to develop the front end of my application. So, I believe mongoDB will be better suited to serve the simple and dynamic nature of react.js

- My MVP will have registration and profiles
- Display ad of pets available for pet sitting
- Allow user to ad post ads to look for pet sitters

Implementation:

I plan on creating database to handle the following for user information since my application is only for registered and authenticated users. Therefore,

when an users successfully logs in, they will be redirected to the profiles page . The users then will be able to create a profile for them by proving certain required data.

Document Structure:

Profiles{

"Firstname" : string,

"Lastname": string,

"username " : string

"password" : string

"phone_number" : int

“email address” : string

}

The main collection name is going to be pets because it’s the pets people are interested in .

It will however include basic information of pet owners for communication between pet owners and pet sitters.

On this page user will be able to enter

Data Structure:

{

"_id": string (auto generated id by mongoDB),

"age": int,

"name": string,

"gender": string,

"breed": string,

"image": string (reference url to the cloud stored image),

"owner": {

"name": string,

"email": string,

"phone": string,

"address": string

}

Secondly once uses have successfully logged in, there will be allowed to post or review ads.

This collection will hold the ads posted by pet owners looking for pet sitters

{

"_id": string (auto generated id by mongoDB),

"subject": string,

"image": string (),

"content": string,

"createdDate": string (used for sorting purposes),

“author”: string

}