Medical Counselling App

Ritul Shekhar

Introduction

The project deals with collection of data from large number of patients , through a website, make suitable analysis and based on the analysis suggest another patient of same type to choose from few good options out of many options available. The motive of the project was to help people with the experience of each other. The main points which needed to be considered are:

- Integrate solutions from all therapies
- Collection of therapies from all pathy
- Let the users know the best Doctors/clinics for the specific disease.

Importance of the project

We found that there was no platform in India where we can search specific disease which is mainly found in India and can get feedback from people for the cure of that particular disease.

So by this build platform we display all types of diseases that are common and mainly focusing on the Pathy(Homeopathy, Allopath, Ayurveda) we separate the cure for them and suggest good doctors/ clinics, best pathy and other summary details for it.

Features included in the application

Main features include:

- Ask Suggestions and Share Experience (A collaborative blog)
- Comments to the shared blog posts
- View details of Diseases and their cure in different Pathy
- Admin Dashboard to control all profiles and blog post

Technologies Used

NodeJs -Server Side API

React -JavaScript library for building user interfaces

MongoDB -Document and NoSQL database

Bootstrap -HTML, CSS, and JS library

Passport -Authentication middleware for Node.js

Tools Used

Postman -API Development Environment

Disqus -Comment plug-in

JSON Web Token (JWT) - Securely transmitting information between parties as a JSON object

Font Awesome -Icon set and toolkit

System Requirements

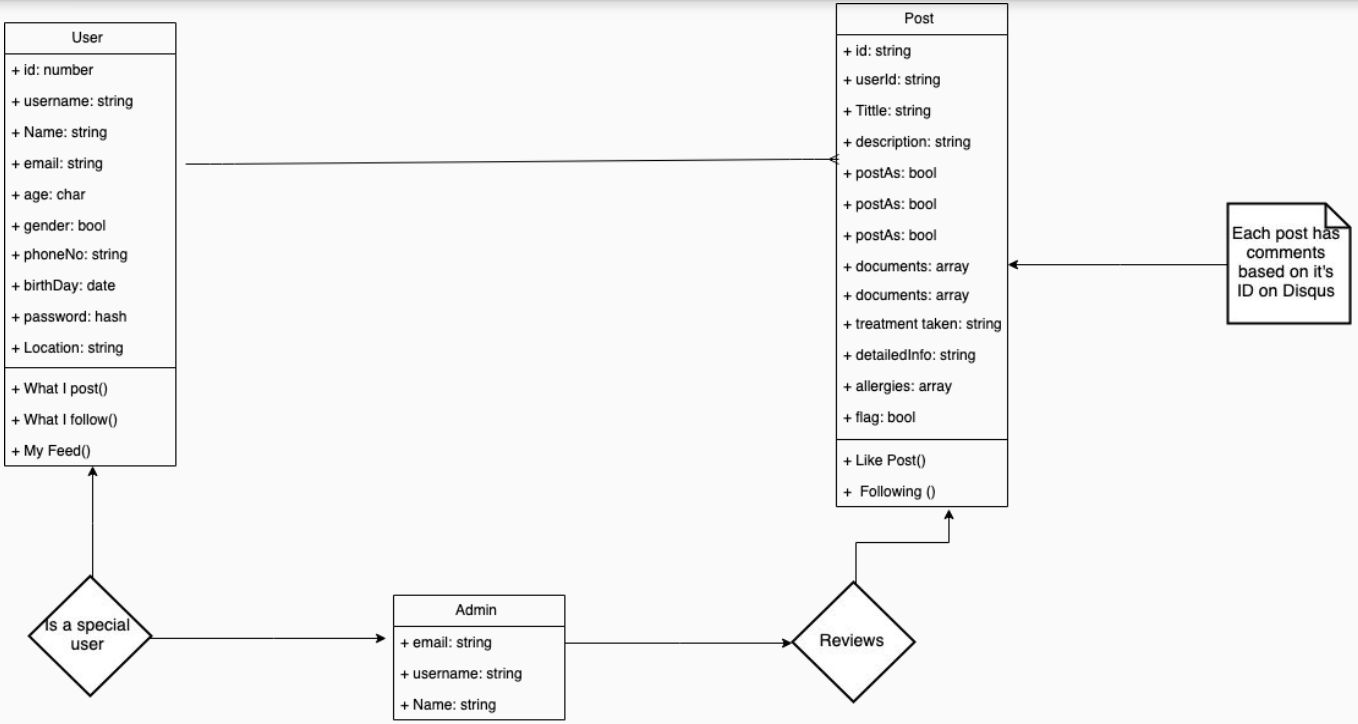
Final application will be compatible with the following specifications:

Browser - Chrome, Mozilla, Safari, etc.

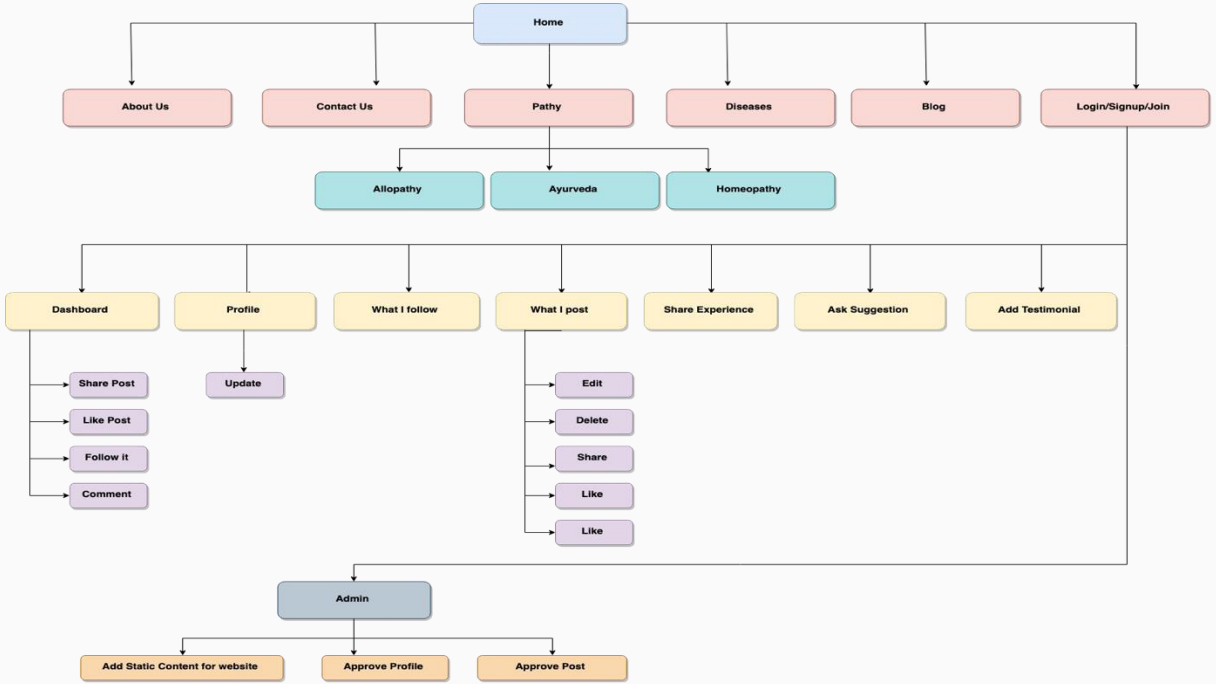
OS - Linux, Windows, MacOS, etc

Screens - Desktop, Tablets, Mobile

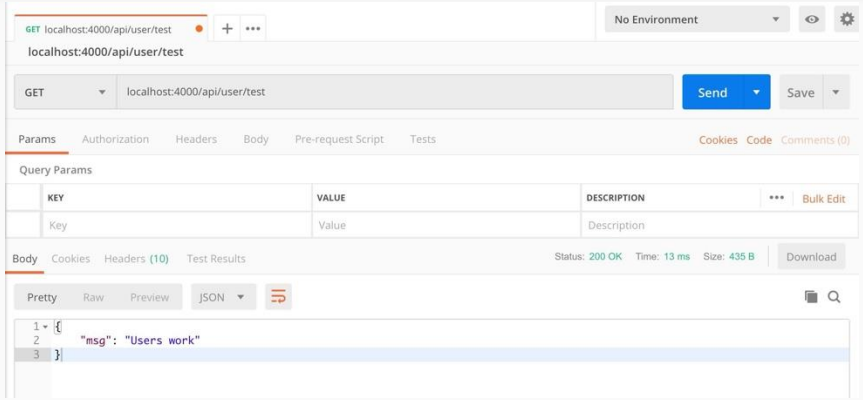
Use Case Diagrams

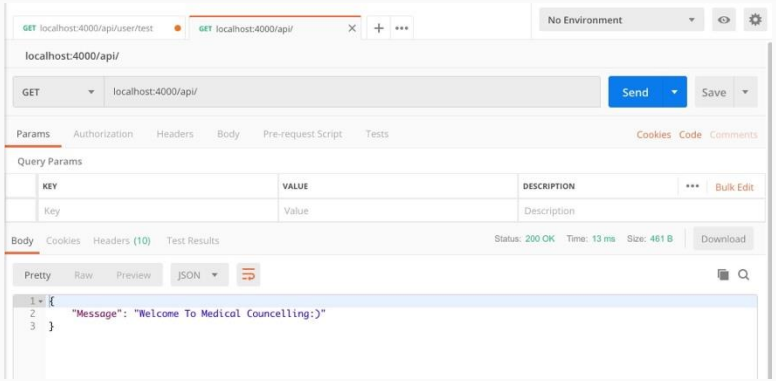


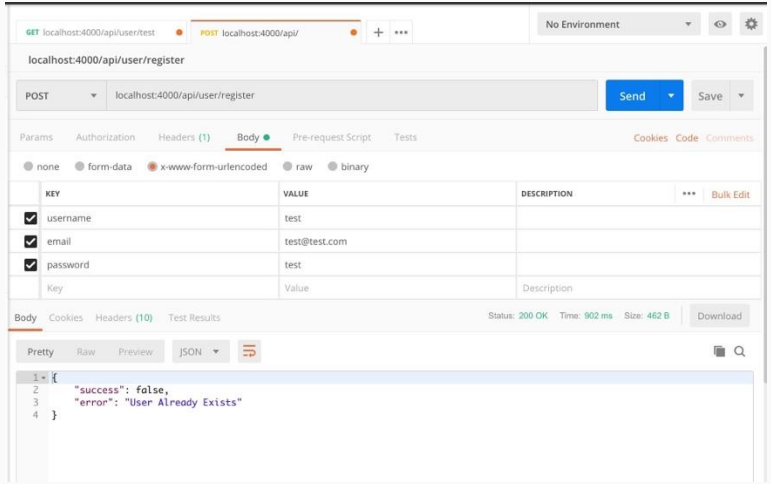
Site Map

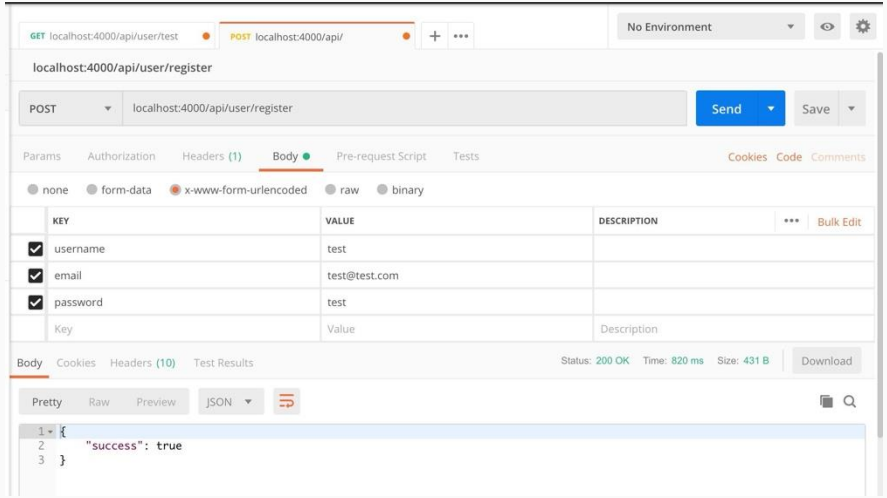

Home
About Us
Contact Us
Pathy
Diseases
Blog
Login/Signup/Join
Allopathy
Ayurveda
Homeopathy
Dashboard
Profile
What I follow
What I post
Share Experience
Ask Suggestion
Add Testimonial
Share Post
Like Post
Follow it
Comment
Update
Edit
Delete
Share
Like
Like
Admin
Add Static Content for website
Approve Profile
Approve Post

API Authentication

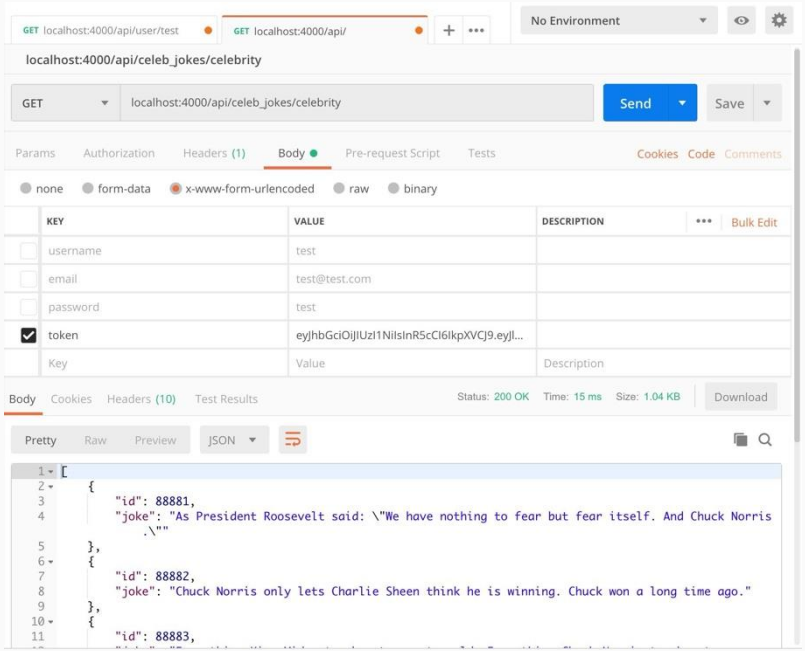


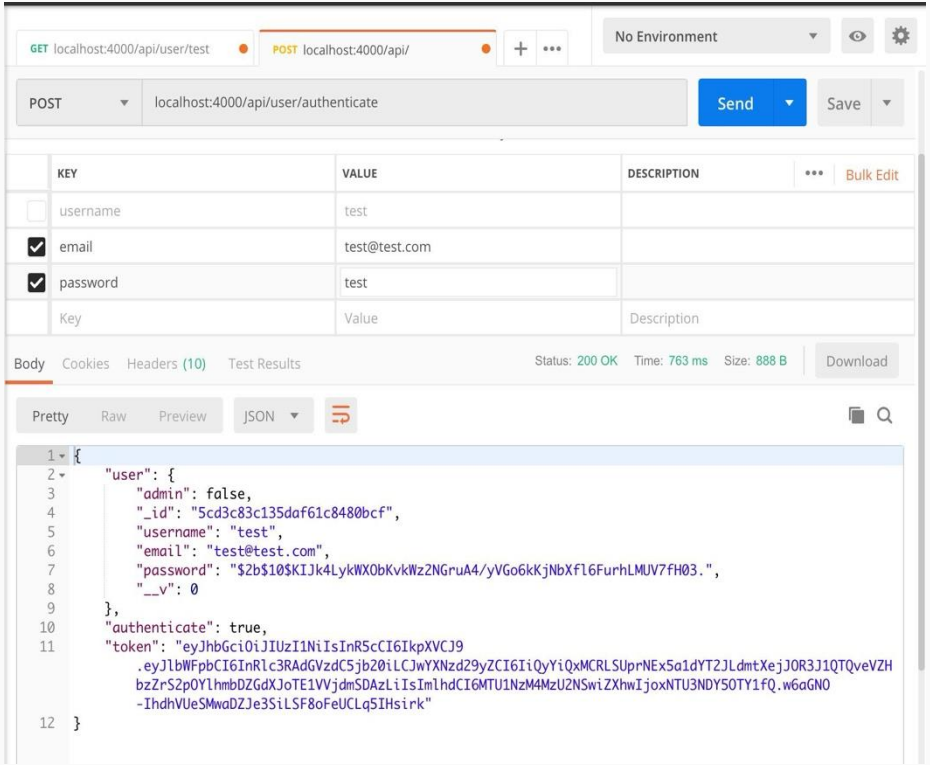






Home : { db : "medical_counselling", collection : "users" }
Document: 5cd3c83c135daf61c8480bcf
Edit document (view keyboard shortcuts)
{
"_id": {
"$oid": "5cd3c83c135daf61c8480bcf"
},
"admin": false,
"username": "test",
"email": "test@test.com",
"password": "$2b$10$KIJk4LykWXObKvkWz2NGruA4/yVGo6kKjNbXfl6FurhLMUV7fH03.",
"__v": 0
}


GET localhost:4000/api/user/test
GET localhost:4000/api/
No Environment
localhost:4000/api/celeb_jokes/celebrity
GET
localhost:4000/api/celeb_jokes/celebrity
Send
Save
Params
Authorization
Headers (1)
Body
Pre-request Script
Tests
Cookies
Code
Comments
none
form-data
x-www-form-urlencoded
raw
binary
KEY
VALUE
DESCRIPTION
Bulk Edit
username
test
email
test@test.com
password
test
token
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJI...
Key
Value
Description
Body
Cookies
Headers (10)
Test Results
Status: 200 OK
Time: 15 ms
Size: 1.04 KB
Download
Pretty
Raw
Preview
JSON
[
{
"id": 88881,
"joke": "As President Roosevelt said: \"We have nothing to fear but fear itself. And Chuck Norris .\""
},
{
"id": 88882,
"joke": "Chuck Norris only lets Charlie Sheen think he is winning. Chuck won a long time ago."
},
{
"id": 88883,


GET localhost:4000/api/user/test
POST localhost:4000/api/
No Environment
POST
localhost:4000/api/user/authenticate
Send
Save
KEY
VALUE
DESCRIPTION
Bulk Edit
username
test
email
test@test.com
password
test
Key
Value
Description
Body
Cookies
Headers (10)
Test Results
Status: 200 OK
Time: 763 ms
Size: 888 B
Download
Pretty
Raw
Preview
JSON
{
"user": {
"admin": false,
"_id": "5cd3c83c135daf61c8480bcf",
"username": "test",
"email": "test@test.com",
"password": "$2b$10$KIJk4LykWXObKvkWz2NGruA4/yVGo6kKjNbXfl6FurhLMUV7fH03.",
"__v": 0
},
"authenticate": true,
"token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9
.eyJlbWFpbCI6InRlc3RAdGVzdC5jb20iLCJwYXNzd29yZCI6IiQyYiQxMCRLSUprNEx5a1dYT2JLdmtXejJOR3J1QTQveVZH
bzZrS2pOYlhmbDZGdXJoTE1VVjdmSDAzLiIsImlhdCI6MTU1NzM4MzU2NSwiZXhwIjoxNTU3NDY5OTY1fQ.w6aGNO
-IhdhVUeSMwaDZJe3SiLSF8oFeUCLq5IHsirk"
}

Conclusion

Work till so far in this semester :

1. Worked on the basic structure of the application and workflow.
2. Client Side of the application using static data.
3. Authentication of user in database using JSON web tokens and Passport
4. Setup Public, Private and Protected Routes in Client

Next Semester Work

I will be working on the following points for the next semester :

1. Backend - API endpoints
    i. Blog posts - Add, create, edit, delete
    ii. Disqus - Integrating the comments API
    iii. Profile - Edit, create, view
    iv. Admin - confirm, edit static data
2. Frontend - Connecting the API endpoints with the Client, replacing the static data
3. Create documentation

Reference Links

- https://www.techighness.com/post/how-to-draw-no-sql-data-model-diagram/
- https://getbootstrap.com/docs/4.3/getting-started/introduction/
- https://jasonwatmore.com/post/2018/11/28/nodejs-role-based-authorization-tutori al-with-example-api
- https://scotch.io/@devGson/api-authentication-with-json-web-tokensjwt-and-passp ort

Github repo - https://github.com/ritulshekhar/Medical-Counselling

Thank You!