Title: WELCOME TO THE NEIGHBOURHOOD

PROJECT REPORT

Submitted in fulfilment for the J-Component of CSE3002 – Internet and Web Programming

CAL COURSE

in

B.Tech. (Computer Science)

by

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SCOPE

VIT®
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

SCHOOL OF COMPUTER SCIENCE AND ENGINEERING

Fall Semester 2021-2022

Abstract:

Due to the pandemic everyone is restricted to their homes and unable to socialize with the outside world and unable to create new networks, friends. Our platform Welcome to Neighbourhood tries to tackle this problem by developing a full-fledged social media web application which can help the users create their own profiles, make new post and moreover it allows the user to connect, talk, share with each other. My Hood provides a platform for users to sign in and write posts mainly focused on asking for help in the form of assistance, bringing medicines/drugs, general information about the ongoing situation which could be helpful to all the community members who choose to use this website.

Introduction:

A social media site is generally used for the purpose of different people interacting with each other. These people may bond over their similarities like hobbies, organizations, experiences, places, careers, etc.

This website is developed keeping in mind the above-mentioned problems. All the information can be easily accessed and shared among the neighbourhood. The needs and requirements of the end users are also kept in mind while designing this website. This website will enable its users to maintain their friend list and user can update their friend list as well as we want to establish a network among the people residing in their neighbourhood

Thus, our social media website developed in order to facilitate it users to establish network between one-to-many persons and maintain all people's profile. It also helps them to save their time and energy when they want to share some kind of information, views, Ideas etc.to their community without risking to get in physical contact during pandemic.

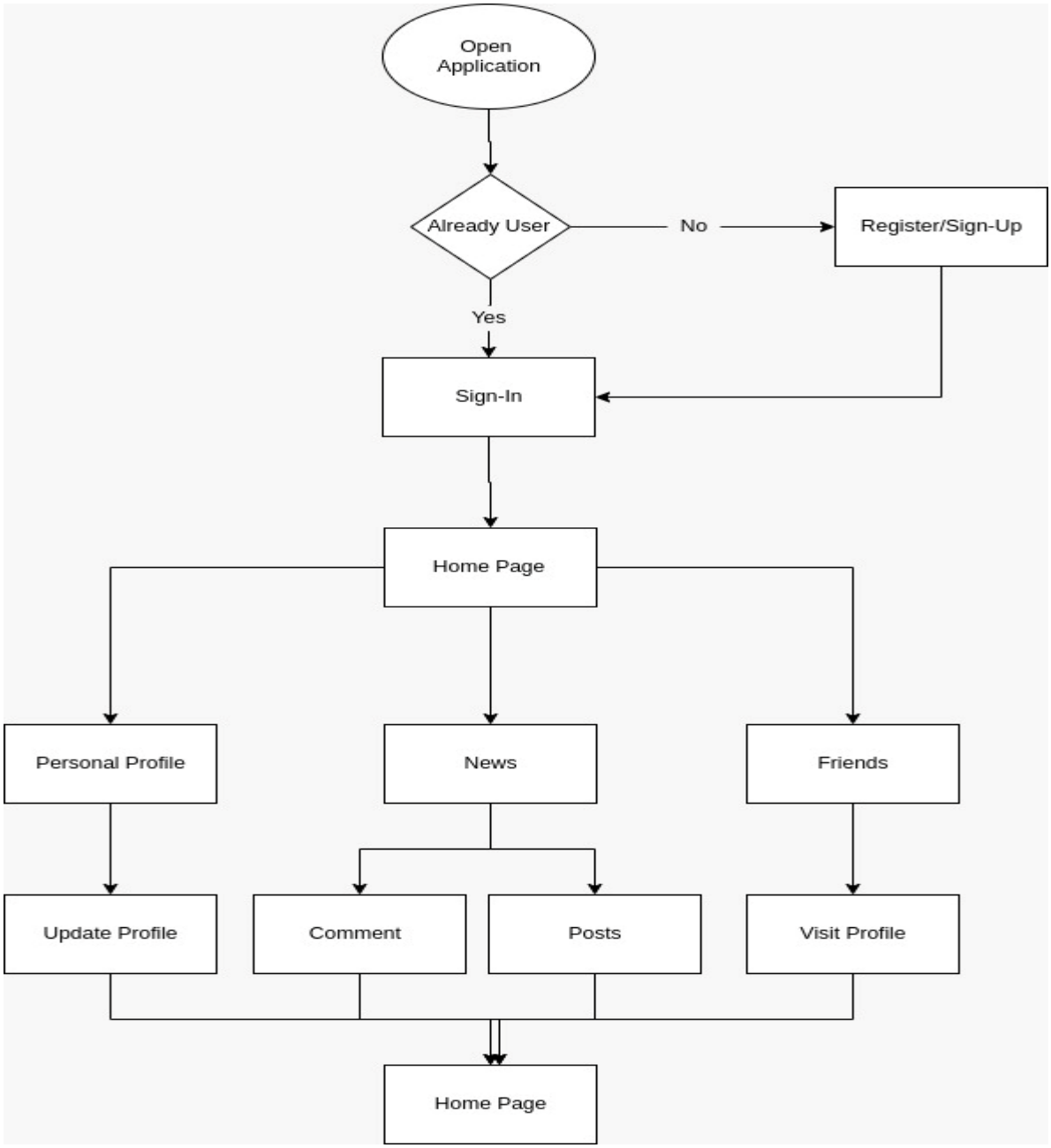
Our project mainly focuses on mutual help and community building. My Hood provides a platform for users to sign in and write posts mainly focused on asking for help in the form of assistance, bringing medicines/drugs, general information about the ongoing situation which could be helpful to all the community members who choose to use this website. Our website allows members to interact with each other and try to aid the person in need without any intermediary or distractions like ads, popups or promotions.

Problem Statement:

Present social media applications today are very vast and the connections are wide spread in way this is a good thing as we can farther our reach, but due to the ongoing pandemic situation we are mostly confined to our homes we can't even go to our neighbour's home and the communication among the community is decreasing. Maintaining a healthy and active relationship with community members is very important as they are very near to us and mostly know about the surroundings, they will be swift and first persons to provide any aid or help in emergency situations.

If we post something on toddy's social media it will be difficult to reach our nearest people due to worldwide presence and also the information which is only applicable to community will be useless to post for the whole world and an also there will be privacy issues.

Process Flow Diagram:



Modules:

Setting up the MVC file structure

Linking MongoBD using mongoose

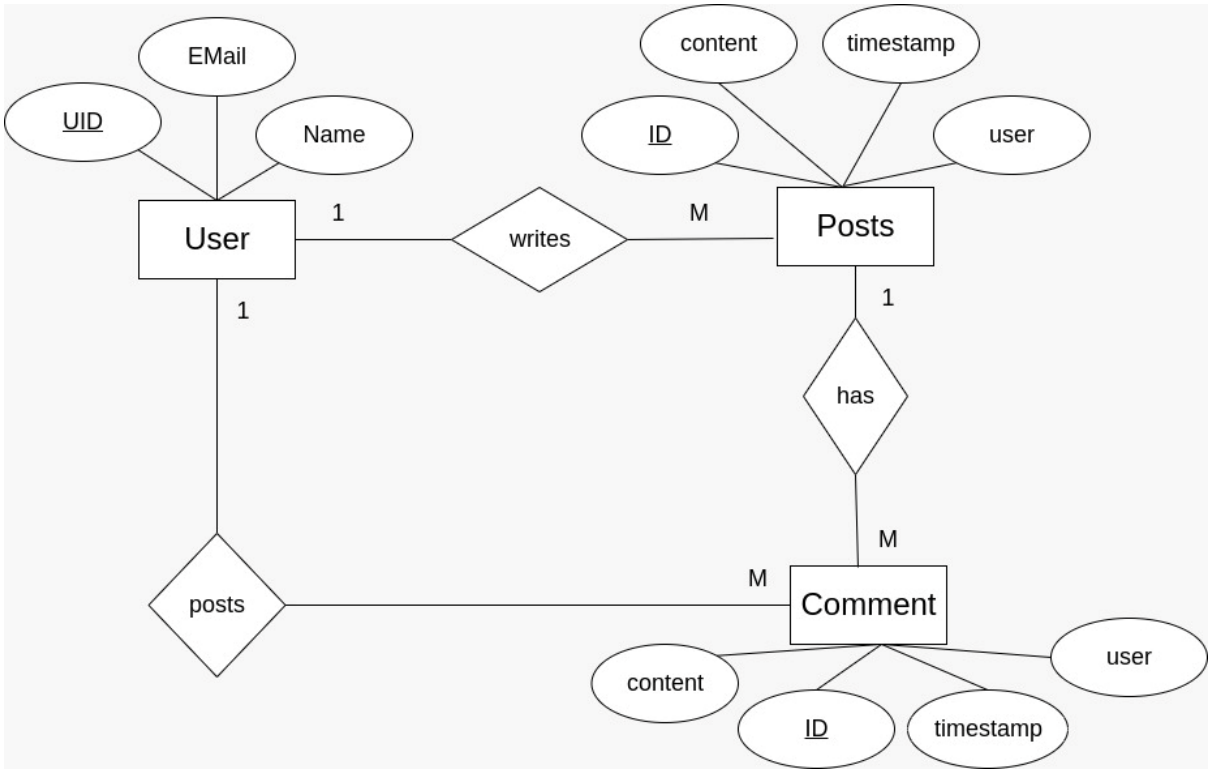
Authentication using local method (passport js)

Integrating to passport JWT auth

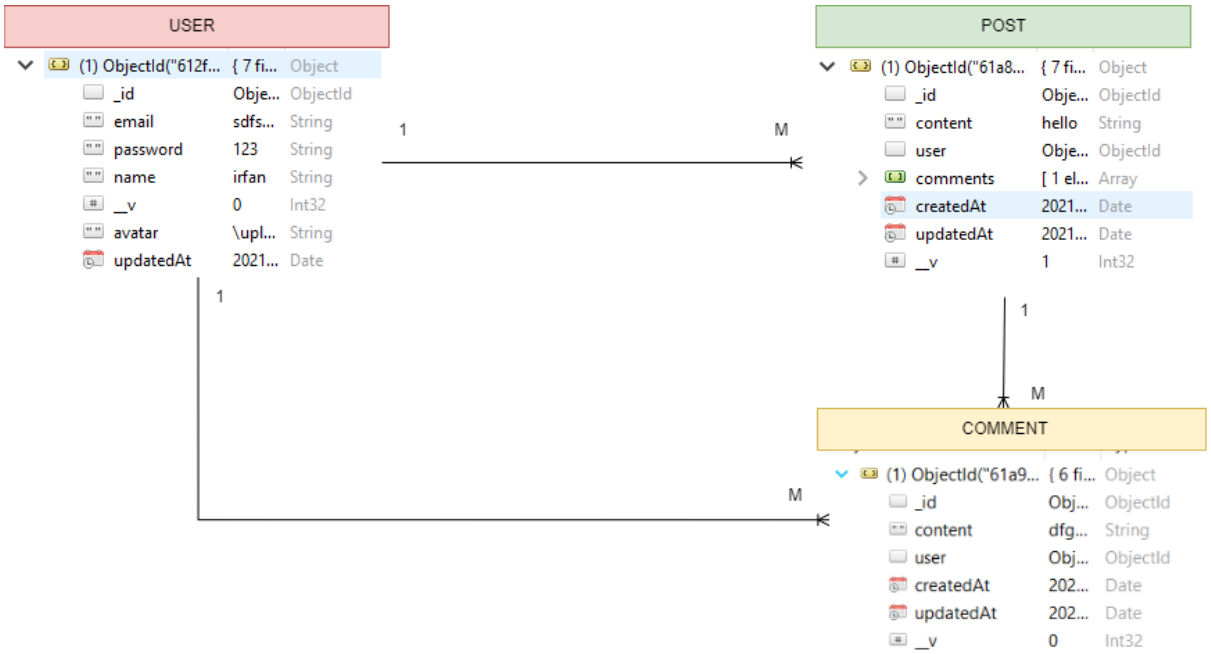
Database relations (Posts, Comments, users)

Setting Friends and Likes

ER Diagram:



Database Design:



Conclusion:

A neighbourhood social media website has been successfully created where a user can sign in and write posts mainly focused on asking for help in the form of assistance, bringing medicines/drugs, general information about the ongoing situation which could be helpful to all the community members who choose to use this website.

The present situation has forced us all to social isolation and it has become more and more important to help each other as a critical situation can arise at any given moment. But traditional social media apps present a disadvantage as they are hubs of fake news and propaganda, which takes away focus from our main objective here, which is to help each other in teams like these.

Our website allows members to interact with each other and try to aid the person in need without any intermediary or distractions like ads, popups or promotions. This will mean that people who want help and want to help will be accessible to each other in the lowest possible delay and this will eventually lead to lesser worsening of their existing health condition. As a whole it is also building a sense of responsibility and community with one another, which was seemingly fading away to in ongoing pandemic.

References:

[1] G. Suciu et al., "Monitoring of social networking sites," 2015 14th RoEduNet International Conference - Networking in Education and Research (RoEduNet NER), 2015, pp. 214-217, doi: 10.1109/RoEduNet.2015.7311997.

[2] S. Ahmed and Q. Mahmood, "An authentication based scheme for applications using JSON web token," 2019 22nd International Multitopic Conference (INMIC), 2019, pp. 1-6, doi: 10.1109/INMIC48123.2019.9022766.

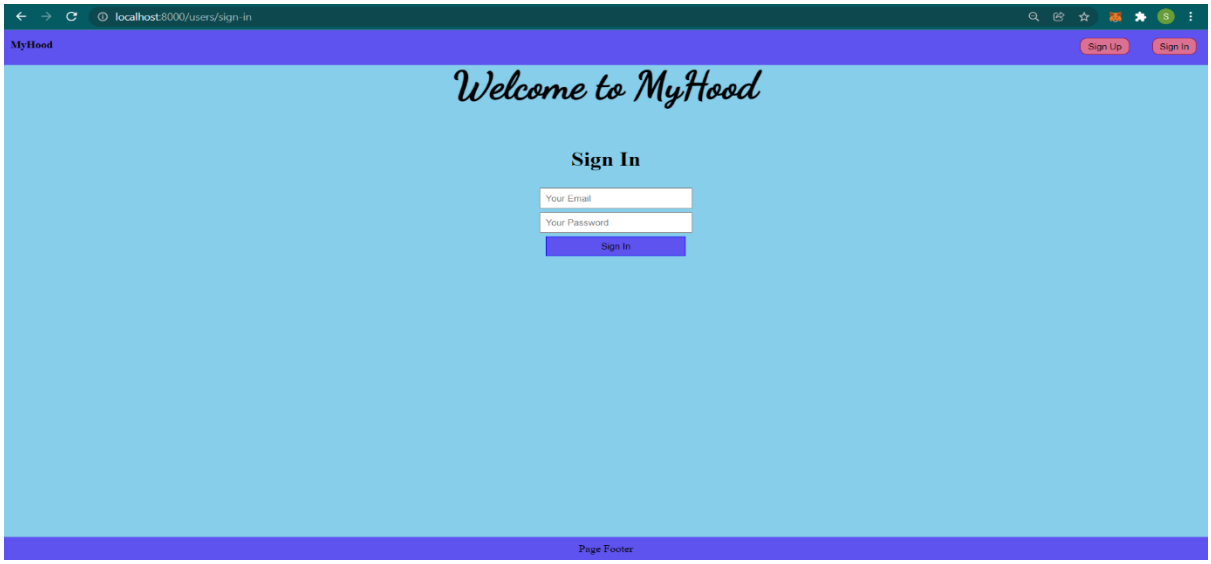
[3] B. Jose and S. Abraham, "Exploring the merits of nosql: A study based on mongodb," 2017 International Conference on Networks & Advances in Computational Technologies (NetACT), 2017, pp. 266-271, doi: 10.1109/NETACT.2017.8076778.

[4] Pop, Dragos-Paul & Altar Samuel, Adam. (2014). Designing an MVC Model for Rapid Web Application Development. Procedia Engineering. 69. 10.1016/j.proeng.2014.03.106.

[5] K. LaCroix, Y. L. Loo and Y. B. Choi, "Cookies and Sessions: A Study of What They Are, How They Work and How They Can Be Stolen," 2017 International Conference on Software Security and Assurance (ICSSA), 2017, pp. 20-24, doi: 10.1109/ICSSA.2017.9.

Snapshot:


MyHood
Sign Up
Sign In
Welcome to MyHood
Sign Up
Your Name
Your Email
Your Password
Confirm Password
Sign Up
Page Footer


localhost:8000/users/sign-in
MyHood
Sign Up
Sign In
Welcome to MyHood
Sign In
Your Email
Your Password
Sign In
Page Footer


MyHood
Sign Up
Sign In
Welcome to the Myhood
Here you can ask for help from your neighbouring community members for any emergency or urgent need!!!
Posts Your need / Reply to the urgent needs of you neighbours
Community Members
neelesh
daksh
Activate Windows
Go to Settings to activate Windows.
Page Footer


MyHood
Sign out
Welcome to the Myhood
Here you can ask for help from your neighbouring community members for any emergency or urgent need!!!
Posts Your need / Reply to the urgent needs of you neighbours
Type here
Post
Community Members
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Activate Windows
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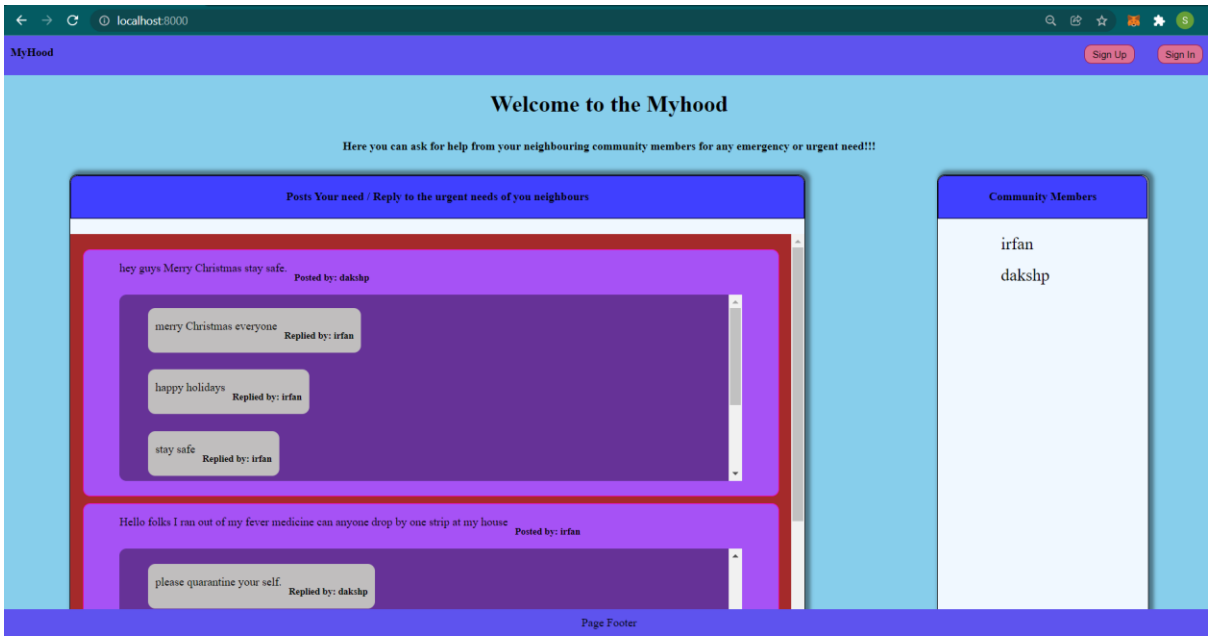
localhost:8000
MyHood
Sign Up
Sign In
Welcome to the Myhood
Here you can ask for help from your neighbouring community members for any emergency or urgent need!!!
Posts Your need / Reply to the urgent needs of you neighbours
hey guys Merry Christmas stay safe. Posted by: dakshp
merry Christmas everyone Replied by: irfan
happy holidays Replied by: irfan
stay safe Replied by: irfan
Hello folks I ran out of my fever medicine can anyone drop by one strip at my house Posted by: irfan
please quarantine your self. Replied by: dakshp
Community Members
irfan
dakshp
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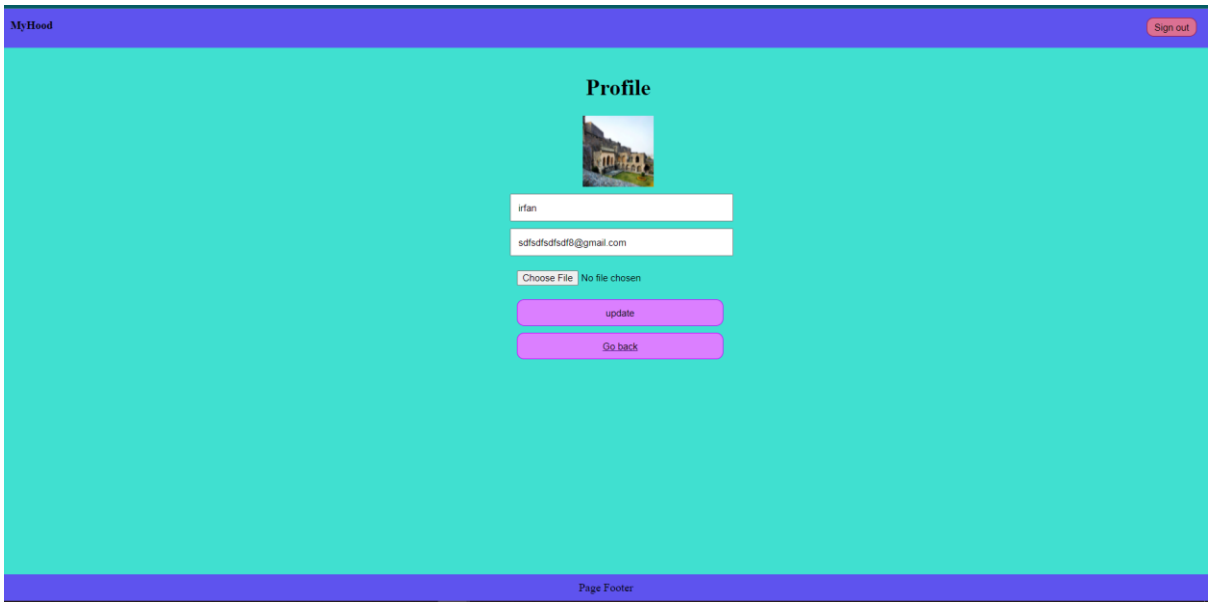
MyHood
Sign out
Profile
irfan
sdfsdfsdfsdf8@gmail.com
Choose File
No file chosen
update
Go back
Page Footer

Source Code:

https://github.com/dakshp07/myHood-IWP

https://www.figma.com/file/dWMBliUMFHzQYUzbLJFeeO/IWP-Prototype?node-id=0%3A1