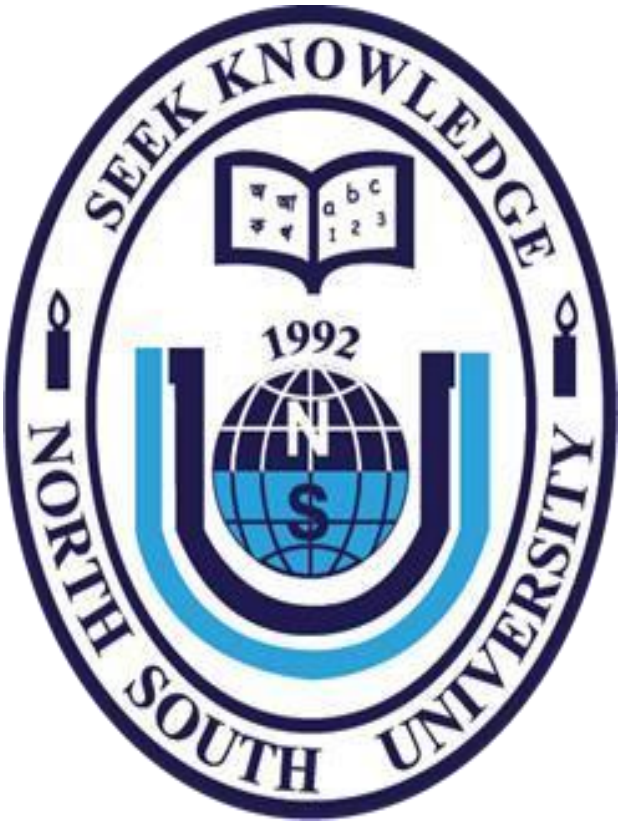

FINAL PROJECT REPORT

Course Title: Software Engineering

Course Code: CSE327

Section: 04

Project Title: ProtectPets

Group Details:

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Submitted To:

A K M BAHALUL HAQUE

ABSTRACT

"ProtectPets" is a website that will take rescue posts from users and all users can see those posts. This is a website for animal welfare **(Rollin, 1993)**. In the pandemic of covid-19, people do not focus on homeless animals**.** Due to the scare of covid-19, without emergency people don't come outside. So people can help those homeless animals by giving a post. This website is also helpful after the pandemic of covid-19. Helping those homeless animals is an important ethical issue **(Fraser, 1997)**.

1) INTRODUCTION

Animals have an important role in the ecosystem **(Naiman, 1988)**. Nowadays there are not sufficient homes for all the animals that are born every year. In our regular life, we see a lot of homeless animal lives here and there. They don't have enough living space, food, and treatment. We have to save them for our ecosystem. That's why we think about creating a website to help those homeless animals **(Whay, May 2007)**. Interested peoples can rescue those homeless animals through our website and application. In our website and application, we are trying to give many features that are helpful for animals. Features are rescue (news & request), Pet Vet (address & contact, medicine, register and login, information (how to take care pets, vaccine information), about pet food, about pet vaccine, study information, volunteer and thanks page.

2) BACKGROUND

- We are in the age of the internet now. Like everything else, people now look into the internet to adopt or to seek help for rescuing animals.
- From the beginning of the '10s different organizations and animal rights activists started taking initiatives in our country to help to rescue stray animals or giving them a new home.
- Though most of them only operate via Facebook. Only a few of them have their websites or their app.
- Besides rescuing and adopting animals, few shops also sell pet foods and medicine online. But there is no common platform yet for people to take part in the generous job of helping stray animals.

3) SPECIFICATION

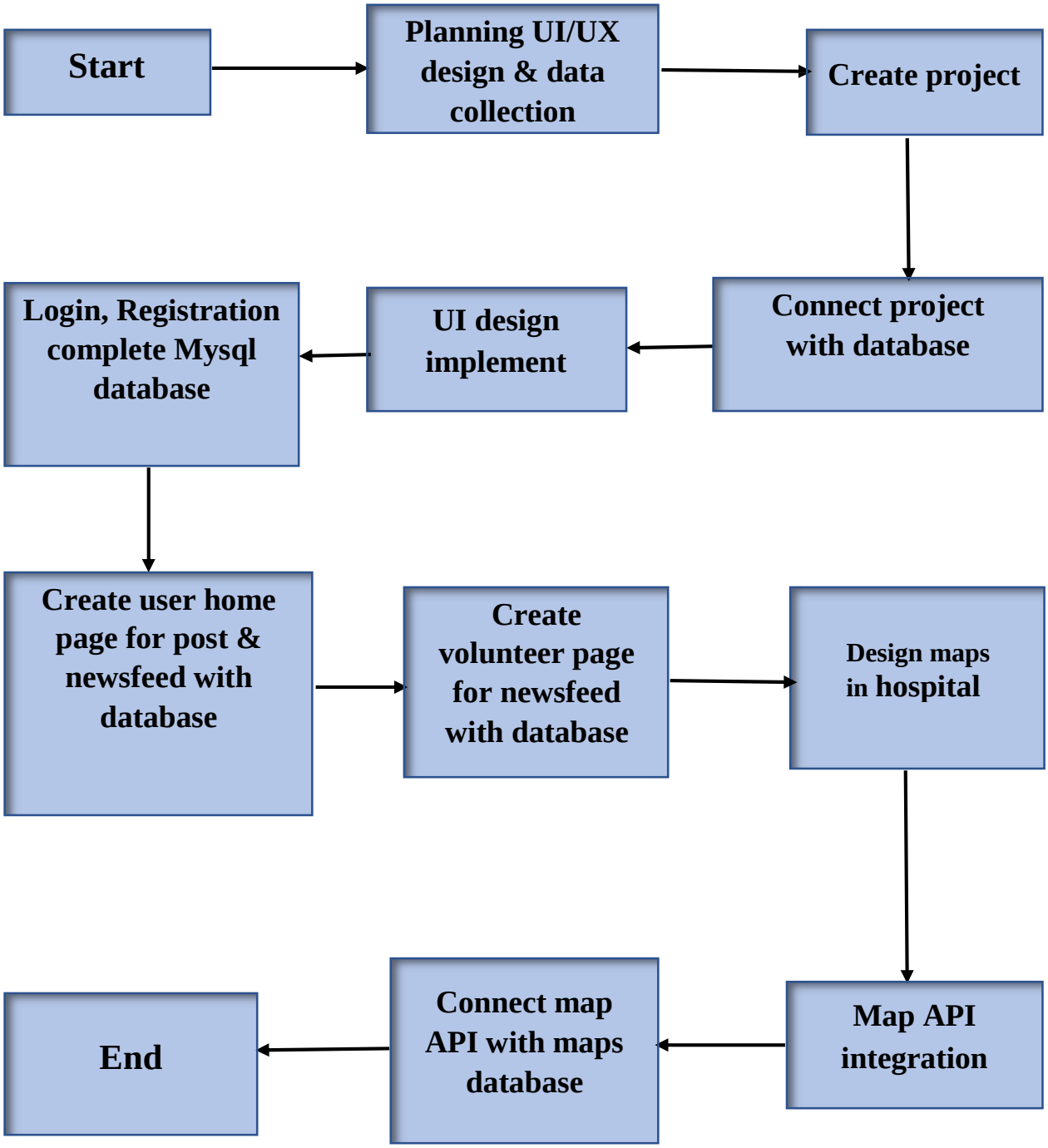
The project we have made is mainly focused on rescue or save homeless animals. At first, we created a user panel. Then we created a volunteer panel for helping users. Homeless animals are not the user of our website, so users & volunteers play an important role to save them. Users and volunteers can communicate with each other through our website. That's how we can create a big community to save our ecosystem.

4) REQUIRED TOOLS

Frontend Design:

Backend Design:

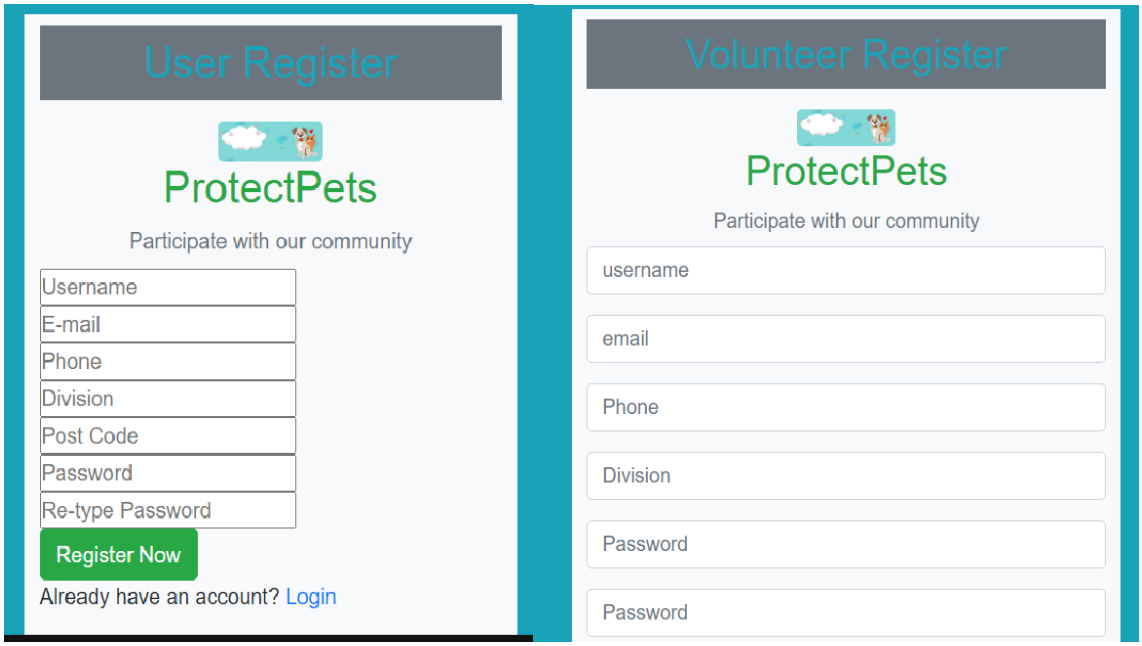
5) PROJECTED PLAN



6) DESIGN & IMPLEMENTATION

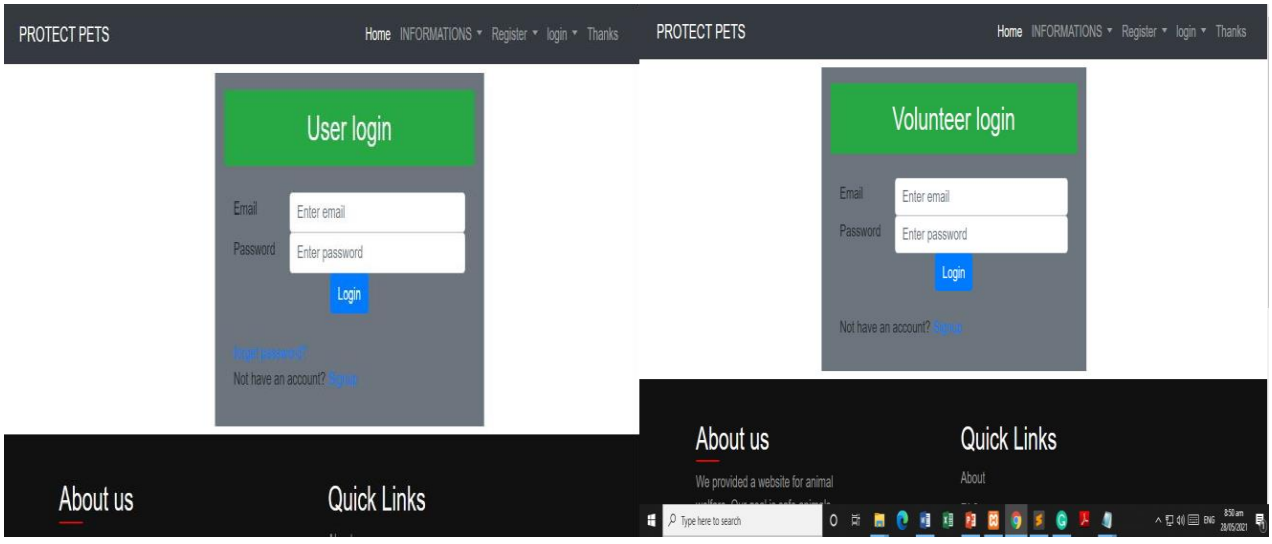
In our project, has two actors (**user & volunteer**). At first, we design the UI of our project. Giving a rescue post and seeing newsfeeds, users or volunteers must be registered on our website. Registration UI is given below,

Registration:

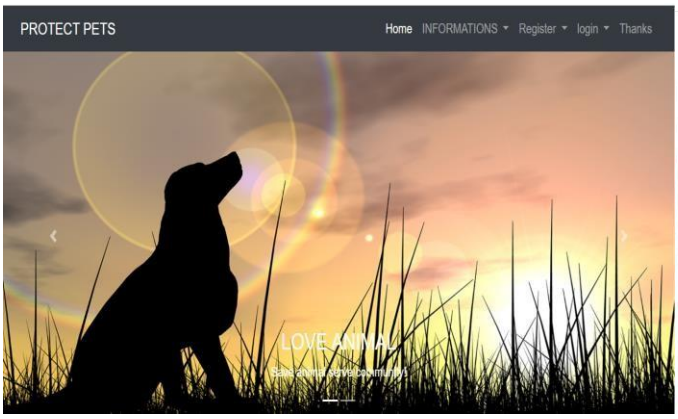


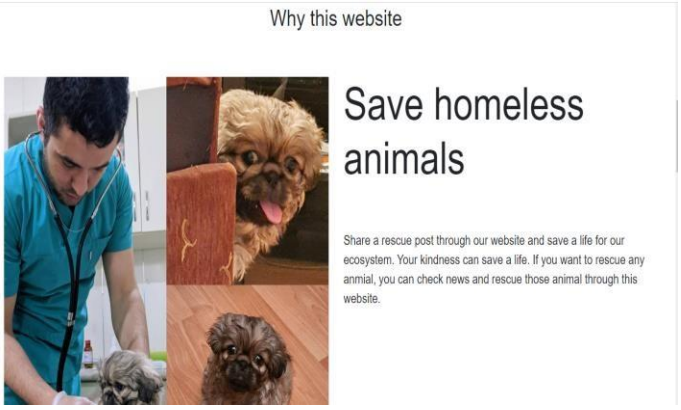
After completing registration, the user can give or see posts. Login UI is given below,

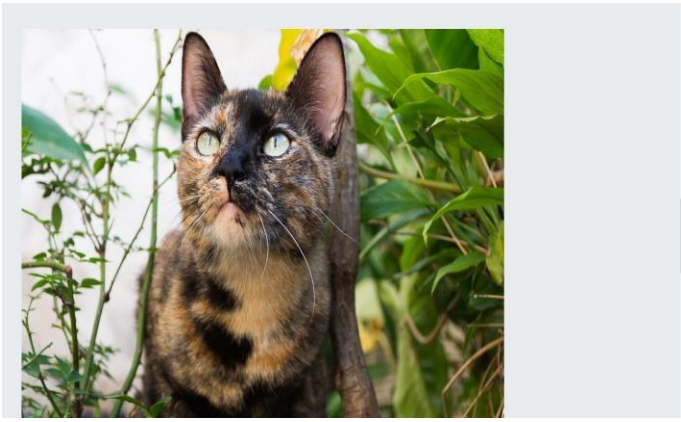
Login:

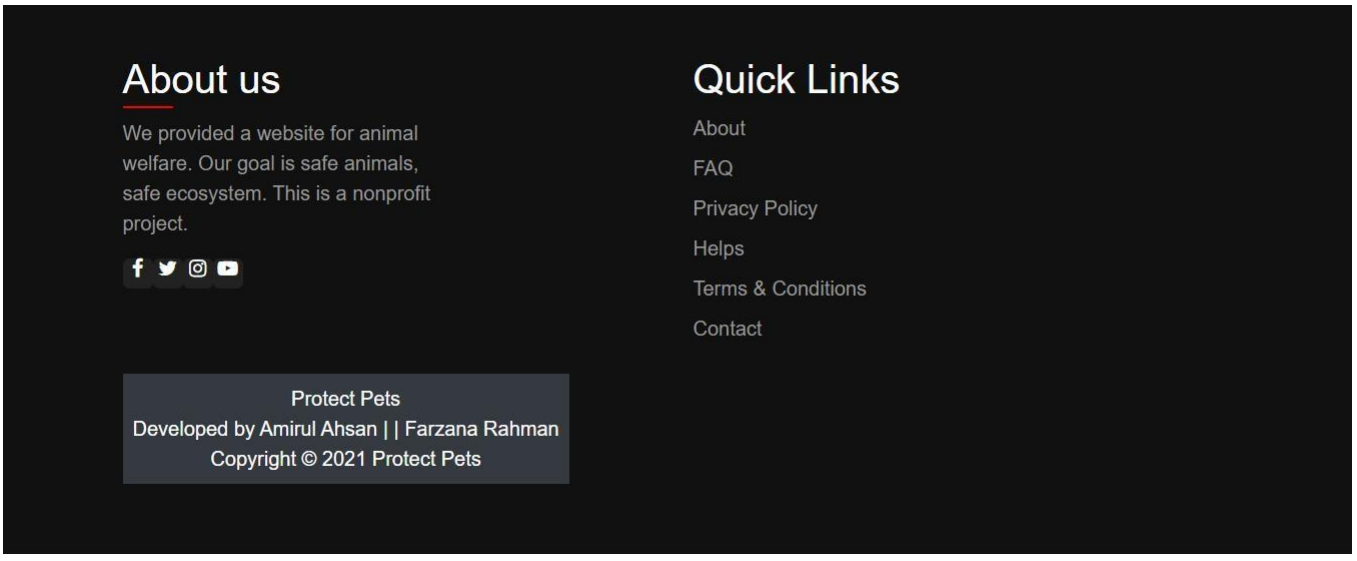


Website home page:



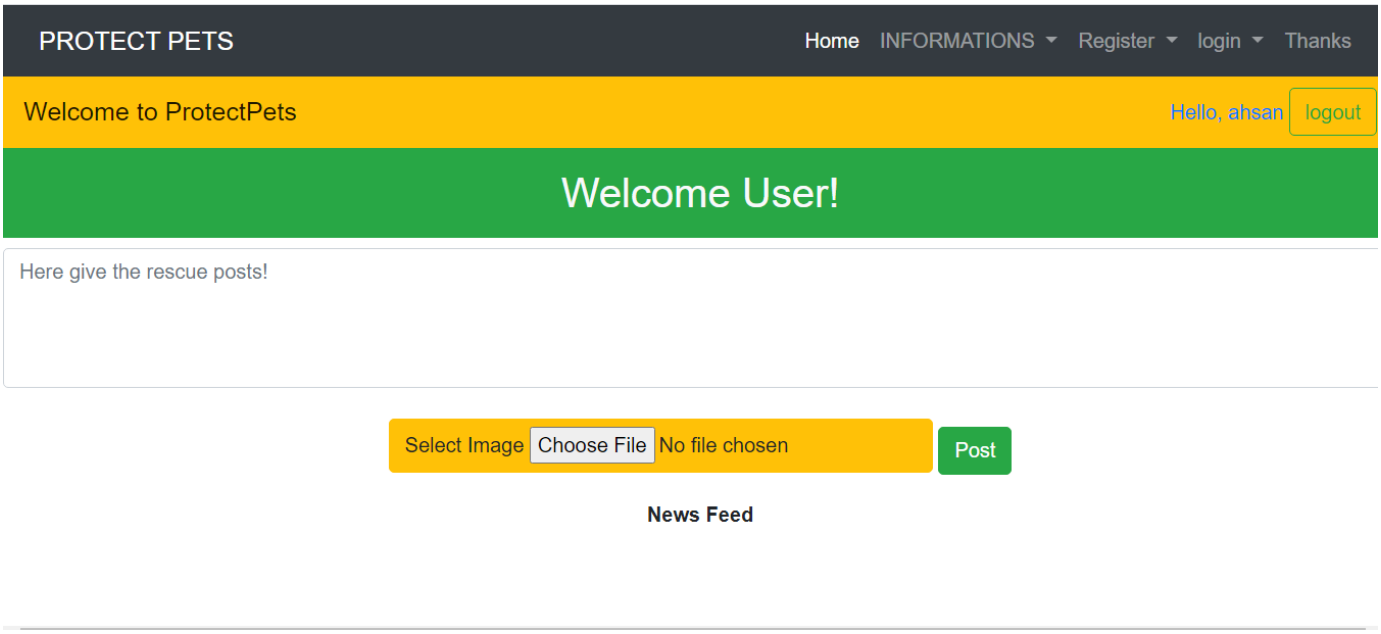






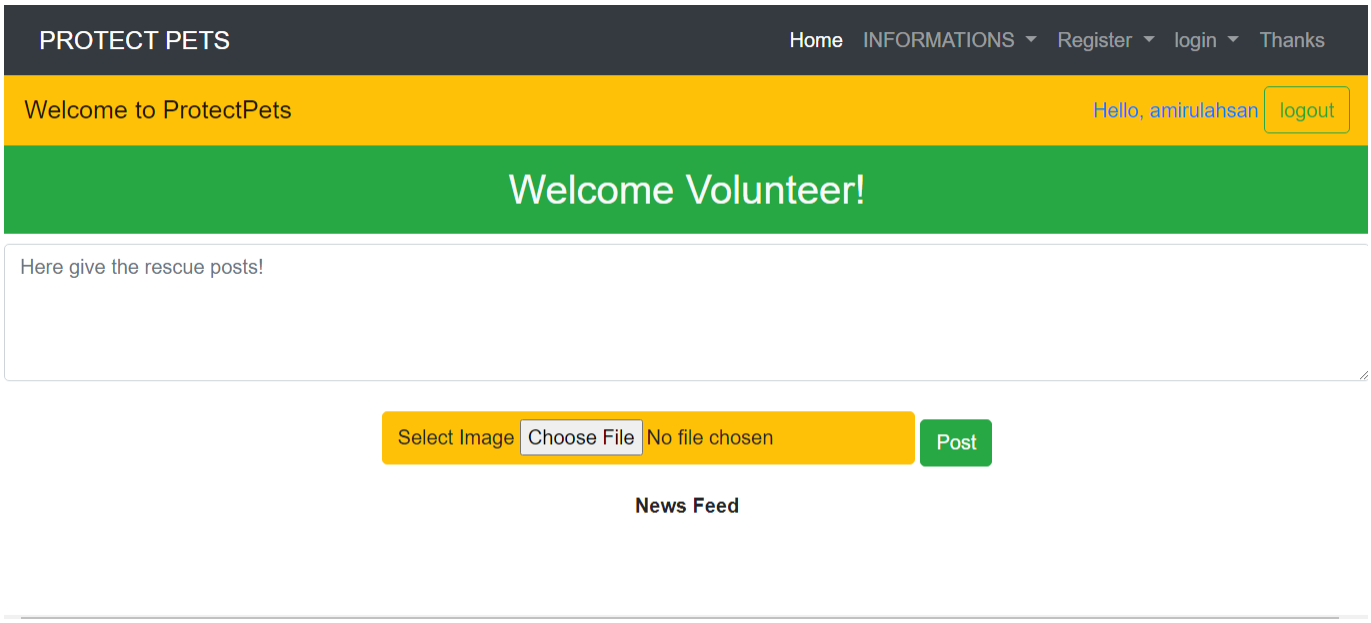
User home Page:

Users can give post or see newsfeeds from this page.

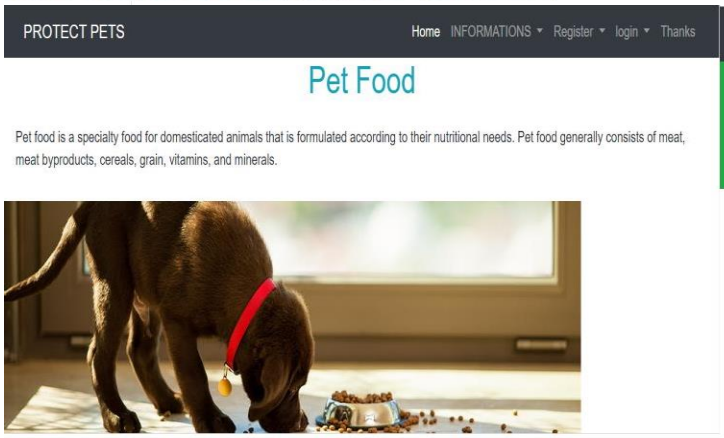


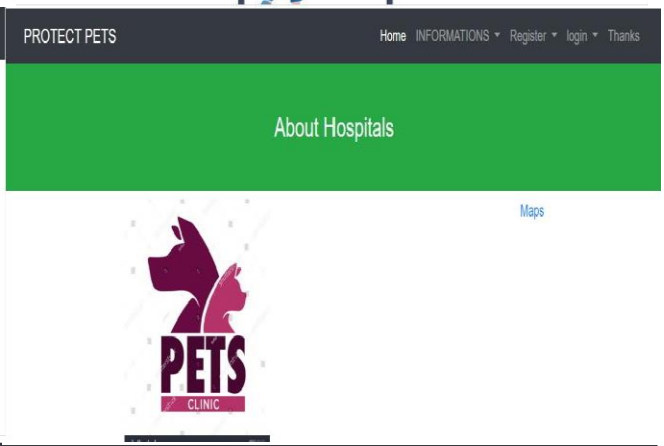
Volunteer home page:

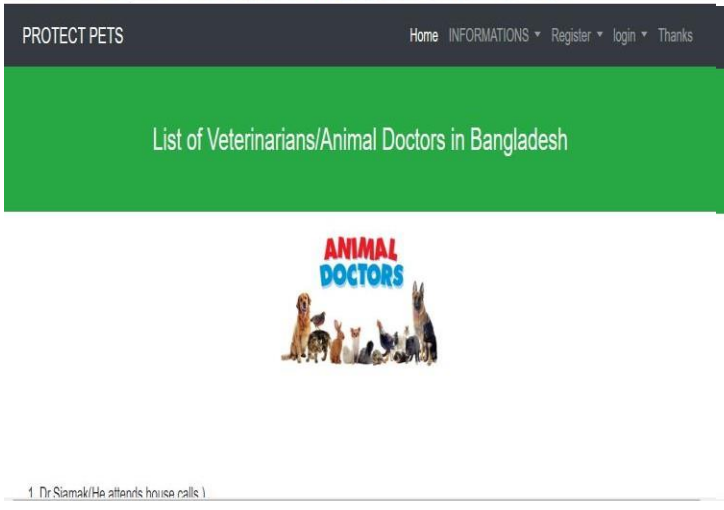
Volunteers can give post or see newsfeeds from this page.

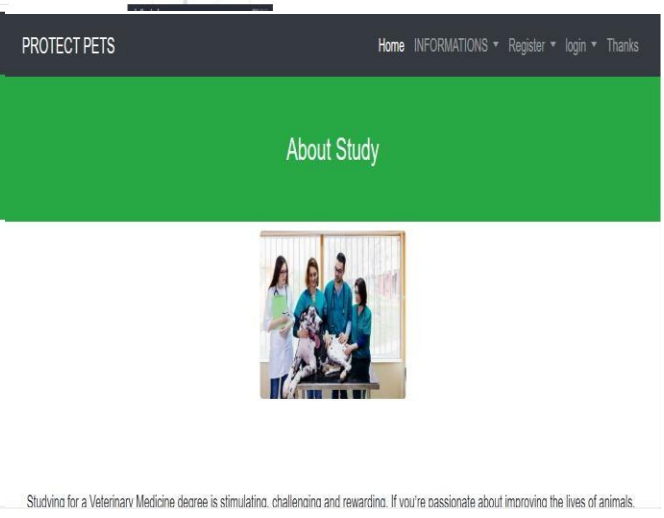


Information's UI:

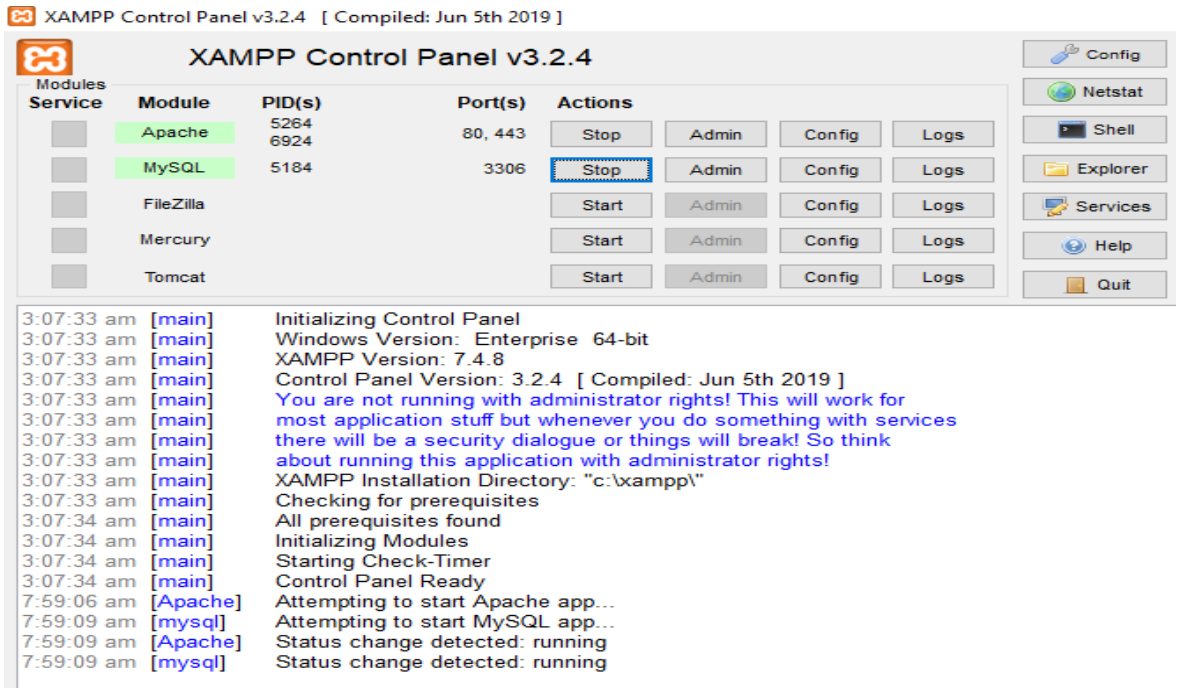






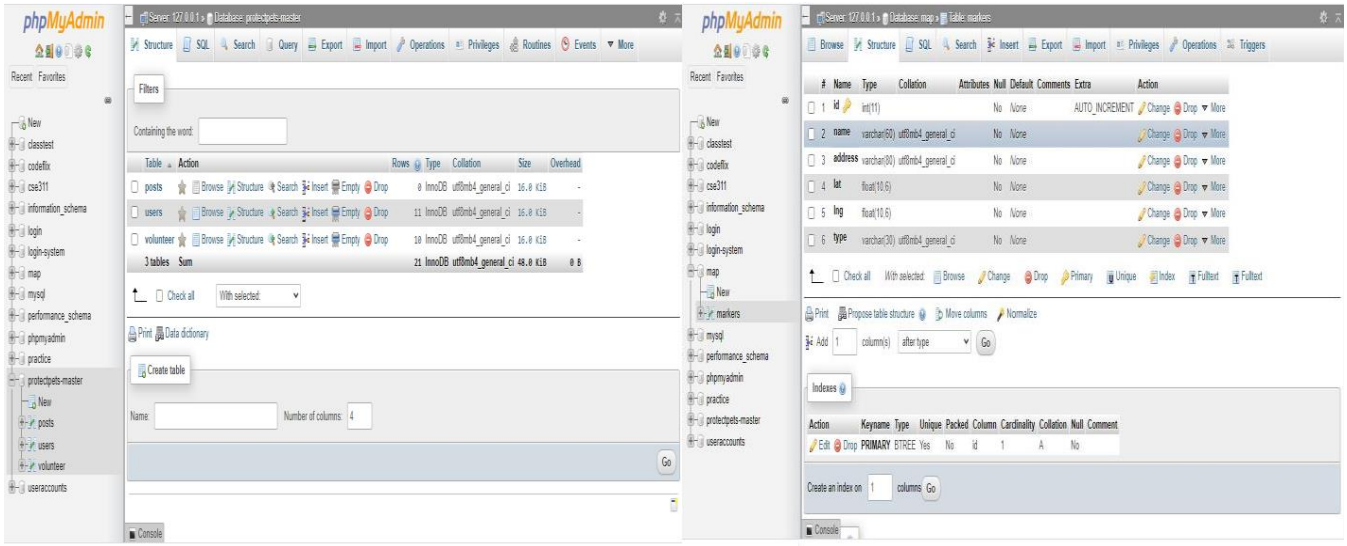


Open XAMP server:



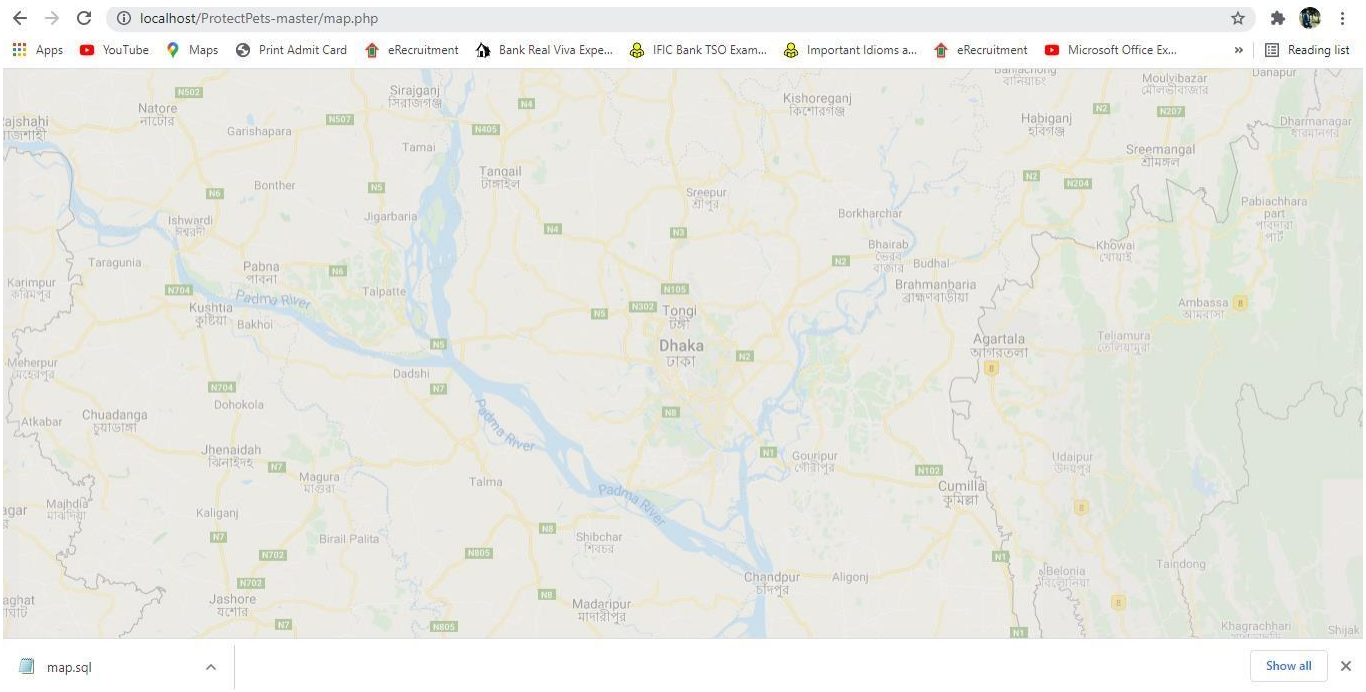
Database Creation:

For implementing database in this project we use phpMyAdmin web server. First, we create two new databases (protectpets-master & maps) with the required tables. Snapshots of databases with required tables given below,

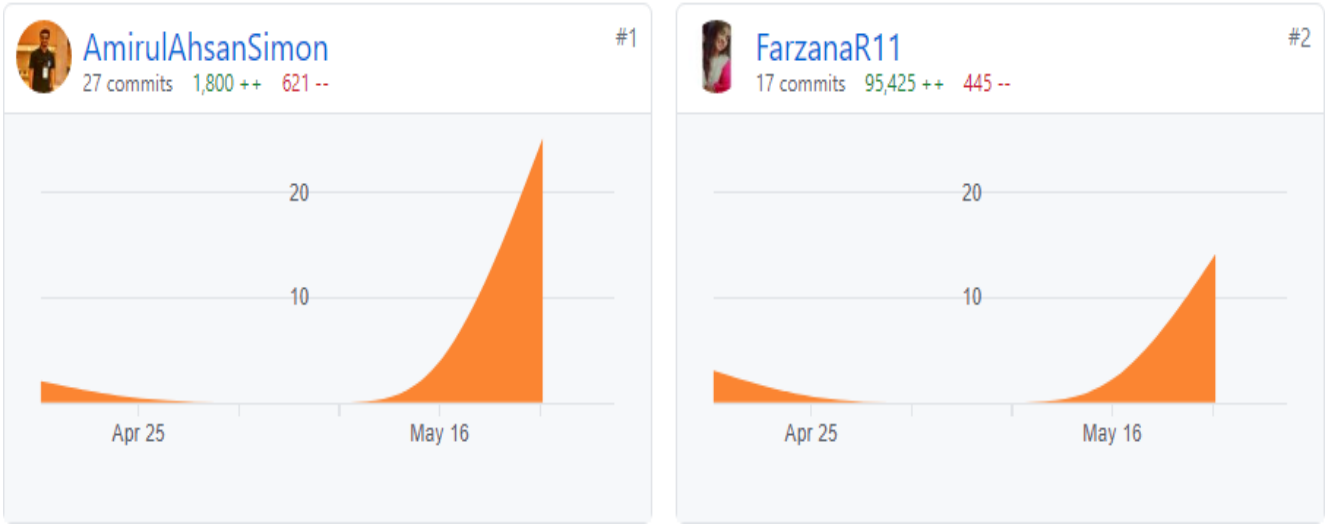


Google Map API:

Here we use Google Maps API for finding the location of the veterinary hospitals.

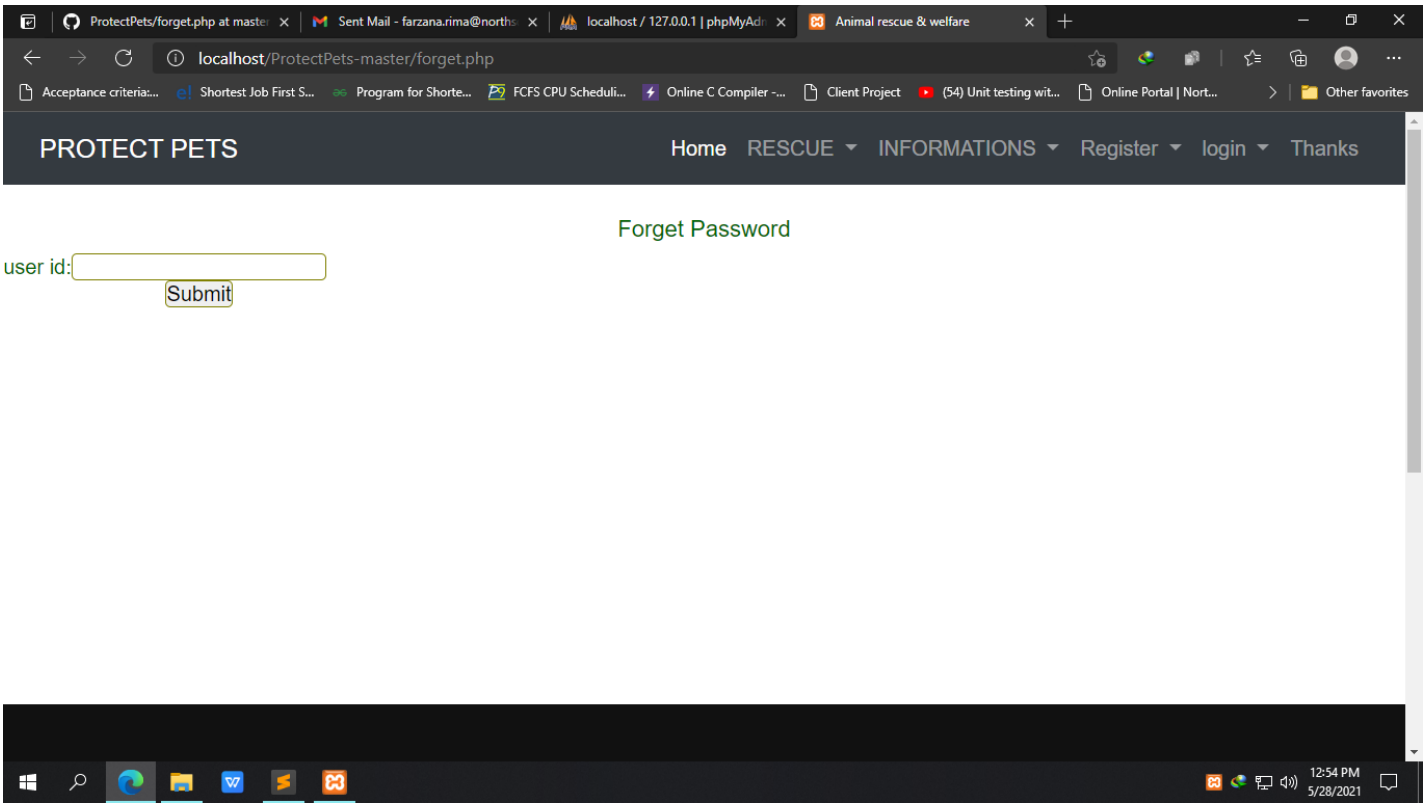


Contribution graph:



Forgot Password UI:

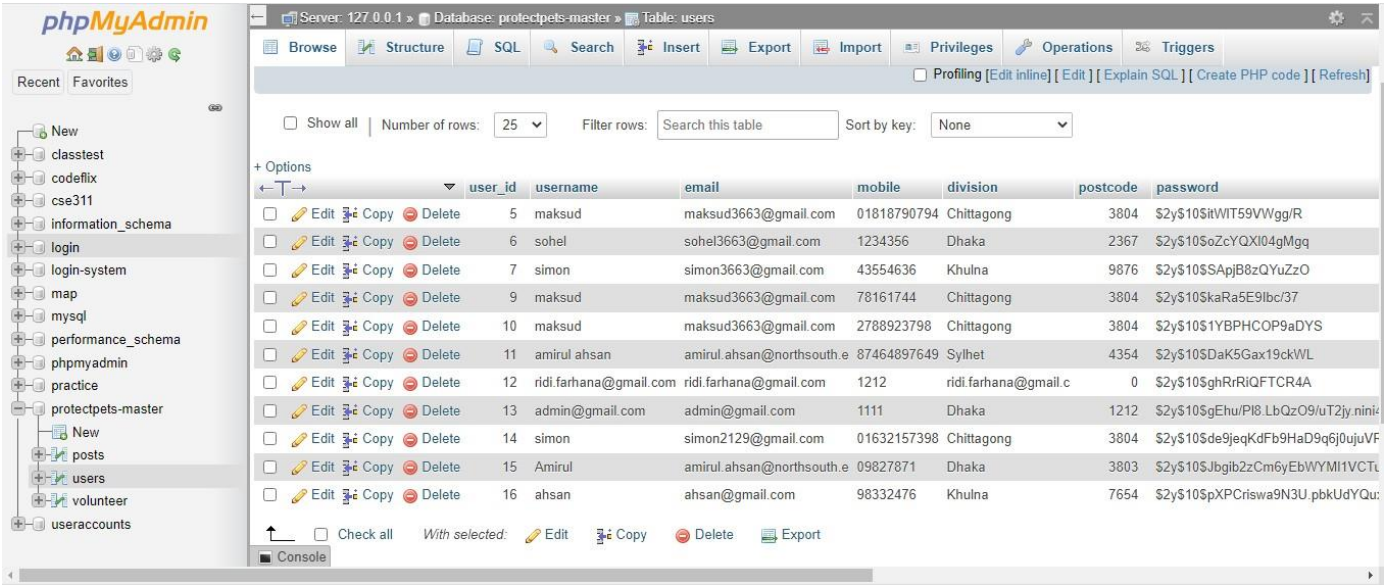
Users and volunteers can recover their password.



7) RESULT & EVALUATION

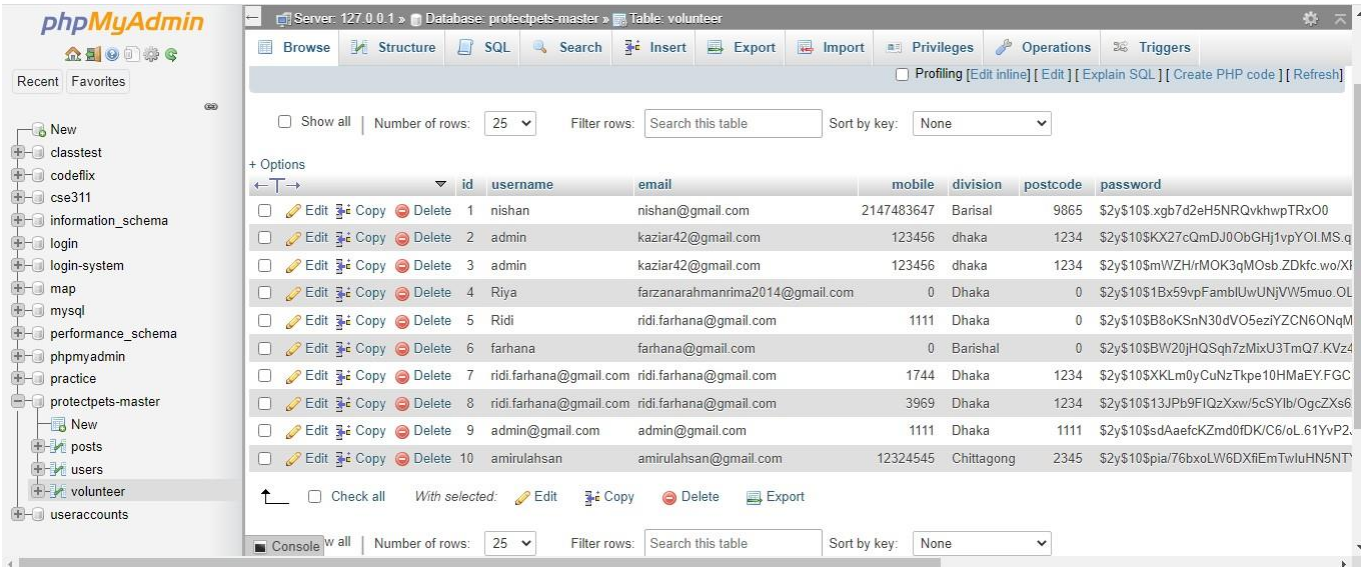
User data:

When users register on our website, the user's data saved in the users table of protectpets-master database. Snapshot of users table data are given below,



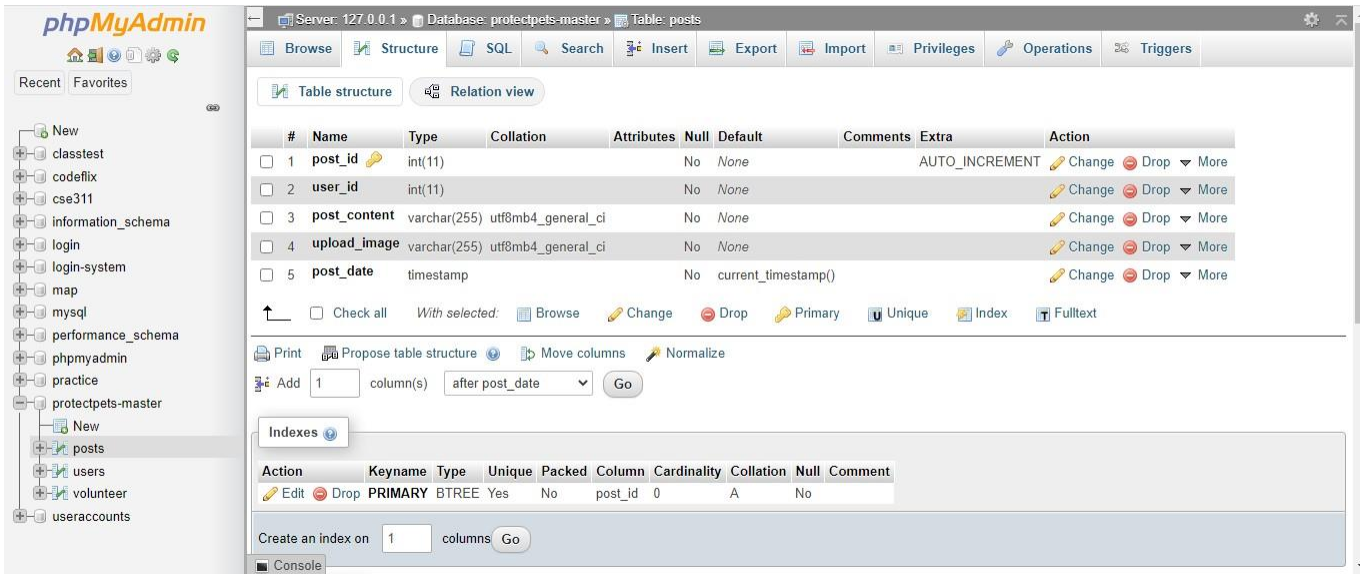
Volunteer data:

When volunteers register on our website, the user's data saved in the volunteer table of protectpets-master database. Snapshot of volunteer table data are given below,



Posts Table Data:

When the user gives a post, the post will update in the protectpets-master database posts table. Users can update and delete posts.



8) FUTURE WORK

Since this project is only focused on release or rescue homeless animals for our ecosystem. After creating a big community, then we want to give users contact with doctors from our website. Users can upload the medical reports on our website & it will give vaccine notification to the user. Our future goal is trying to create a doctor panel and collaborates with users.

9) Challenges

- Since it is a non-profit project which keenly focused on saving animal lives, the cost of server and maintenance will be challenging.
- It will require a large number of volunteers.
- Less awareness and knowledge of people about animal welfare.
- Unfamiliar approach for saving animals.
- It is a different approach to saving animals, hence people should be informed on a large scale about such a website and how it can help in saving animals.

10) CONCLUSION

We are trying to create a user-friendly website for saving homeless animals. We need to save animals for the environment. Animals need better living space, food, treatment. Through our website, we are trying to serve those homeless animals. This project may create a good connection between homeless animals and peoples. If someone is not interested in rescue animals they also can give a rescue post and save a life. This is our goal and we are trying our best.

11) REFERENCES

- Rollin, B. E. (1993). Animal welfare, science, and value.
- Fraser, D., Weary, D. M., Pajor, E. A., & Milligan, B. N. (1997). A scientific conception of animal welfare that reflects ethical concerns. Animal welfare, 6, 187-205.
- Naiman, R. J. (1988). Animal influences on ecosystem dynamics. *BioScience*, *38*(11), 750-752.
- Whay, H. R. (2007). The journey to animal welfare improvement. *Animal Welfare*, *16*(2), 117-122.

12) APPENDIX

We have published our project on GITHUB. Corresponding links are:

https://github.com/AmirulAhsanSimon/ProtectPets