

Project Title

A Web Based Solution For Animal Care

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Date: 9/28/2021

DECLARATION

This report is submitted to the Institute of Information Technology, Jahangirnagar University, Savar, Dhaka in partial fulfillment of the requirements for having the B.Sc (Hons.) degree in IIT. This is also needed to certify that the project work is under the 3rd Year 1st Semester course of the IIT “IT-3100: Semester Project and Viva” . So, we are here declaring that this report has not been submitted elsewhere for the requirement of any kind of degree, diploma or publication.

Moni Akter (1762)

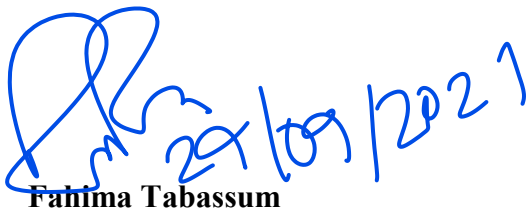
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ACCEPTANCE

This project report is submitted to the Institute of Information Technology, Jahangirnagar University, Savar, Dhaka in partial fulfillment of the requirements for having the B.Sc (Hons.) degree in IT.

A handwritten signature in blue ink, appearing to read 'Fahima Tabassum', with the date '29/09/2021' written below it.

Fahima Tabassum

Professor

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ACKNOWLEDGEMENT

First of all we would like to thank the Almighty for giving us the opportunity to complete this work successfully. Our acknowledgement is meant to express our sincere gratitude to all those people who have been associated with this project and have helped us with it and by sharing their experiences and valuable opinions through which we received the required information crucial for our project. We are thankful to our parents for their relentless support. Most importantly we are grateful to our honorable supervisor who took time out to guide us and provide us with all the necessary materials and sufficient knowledge that was the major requirement. Finally, we express our thanks to our honorable teacher Fahima Tabassum mam for giving us the opportunity to learn the subject in a practical.

ABSTRACT

Our Project ‘Animal Care’ is an web based solution. The main purpose of this project is to solve problems about animals and to give them a secure environment to live their fullest. In our country animal faces hard time because of their health risk. By creating a platform, where general people can communicate with veterinary doctors all over the country can solve the problem partially. So we thought a website can be the solution. Using this website anyone will be able to get information about animals resources and their health care ways. Like, doctor members can guide the user members who needs help to save animal as well as user members can communicate between each other about adoption and shelters for street animals by posting them on website. Our website currently can work in different area individually to provide animal services both online and offline. As this is a technology based project, the website maintains security very closely. To handle both medical and ethical dilemmas posed in our society, we are in an extreme need of an platform to secure animal lives.

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Chapter: 1

Introduction

1.1 Motivation:

Our project 'Animal Care' is a user friendly web based design. Which will help us to create a secure environment for animal. At first we wanted to implement a real life issue into a solution. By looking around we got the idea to do something to save wildlife. Alongside Conserving wildlife, we're ensuring that future generations can enjoy our natural world and the incredible species that live within it. To help protect wildlife, it's important to understand how species interact within their ecosystems, and how they're affected by environmental and human influences. But we can't change our ecosystem in a day but we can create a change by helping those who want help or who want to help: these helpless animals. Then we thought what we need the most to connect these people! As country is becoming Technology based day by day, the idea of creating a website came to us. Through which, who wants help(user) or who wants to help(doctor) can work together to save more animal life.

1.2 Objectives:

While we all are concentrated in the development of human life in all aspects, there are different creatures living besides us with no or little development in their life. As the best creature of this planet we have some responsibilities towards the other creatures so that those creatures (animals) can lead a normal and healthy life. People of Bangladesh are becoming concern about the healthy life of animals now a days. Though they care animal, there is less opportunity to help them in an organized way. We have realized the problem and that realization leads us to use the power of technology to solve this problem. So our objective is to build such a platform which will be used by animal lovers for ensuring a normal life to all animals. We have decided to build a website where all the people who care for animals and feel for animals can express there problems about animals and will get the solution from this platform. Our objective is not only to connect animal lovers among themselves but also to connect our users with veterinary doctors who will ensure the healthy life of animals. This website is going to be the first platform of it's kind in our country and will give opportunity to the animal lovers to show their love, affection and responsibility towards the other creatures with whom we (human being) co-exist.

1.3 Literature Review:

Our project 'Animal Care' is a platform where any one can get help or provide help to roadside animals. We can find some groups on facebook or a very small number of veterinary hospitals to provide service for roadside animals. But these platforms aren't enough for our vast amount of roadside creatures. Our project conquer these problems. First of all, 'Animal care' website needs no medium like facebook or instagram or messenger to connect with this animal loving community. And secondly, the website will be able to provide help 24/7 using the help of website admin panel.

1.4 Report Organization:

For using this website as a user one must first register as a user. After registering, he will find the login page where he will have to give his email address and password for logging in .If he enters the wrong password or email the website will show invalid message. After logging in the website will show the user profile with all user info. There one user will find three options: edit profile ,edit profile picture and see previous activity.clicking edit profile a user can edit his info and edit profile picture a user can change his profile picture. Previous activity button will show one user his previous post with comments. This website will also provide a user a navigation bar using that navigation bar a user can swap from profile to home to search option and also can use it for logging out . In home one user will find all previous posts inserted by other users along with his posts.one user can open any post clicking read more link and also read or write comments.in home one user will find create post option clicking that a user will find a panel for creating post.Using search option a user can find available doctors information. Procedure of Doctor logging : For using this website as a doctor a doctor must register and then login . After login as a doctor a one will find a profile with edit profile and upload profile picture option using this options one can edit his info and upload new profile picture.A doctor can also go to home and create post and view post and add comment in a post. Procedure of Admin logging : Admin panel manages all member info ,posts and all internal issues. Admin will first log in and the find a dashboard with various options like register new admin,search member info,see posts,delete member.using this options admin manages the website.

Chapter 2

Methodology

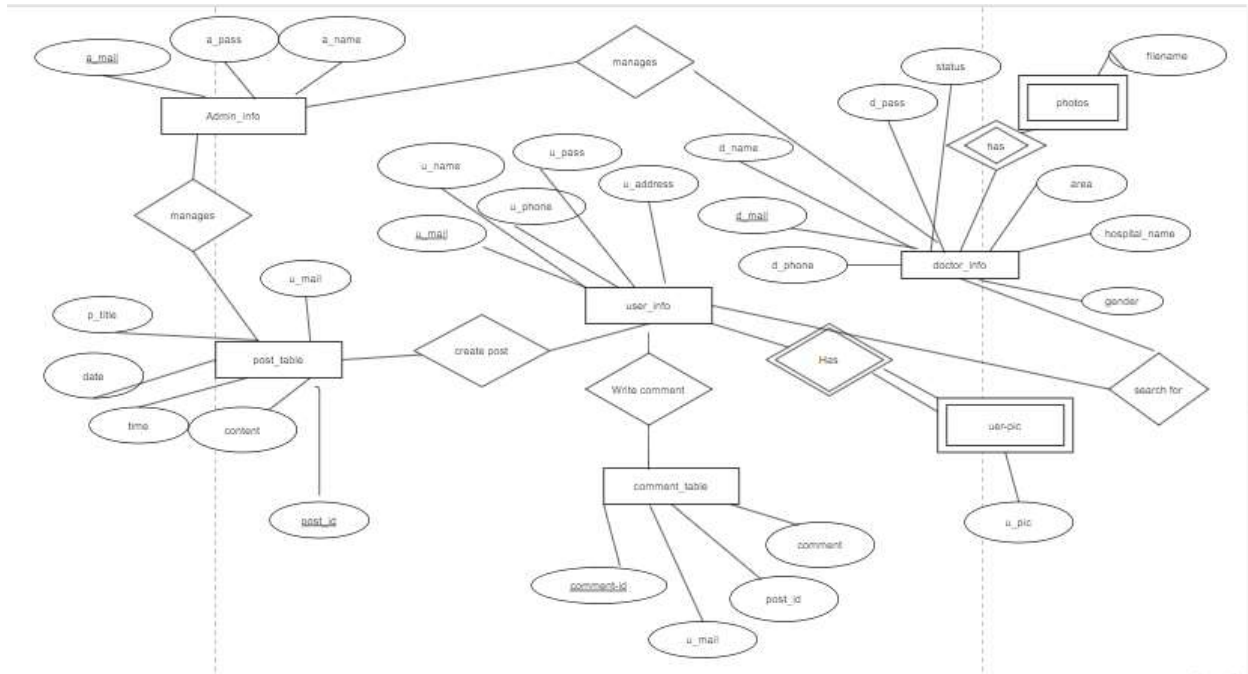
2.1 Design:

At first we made a rough design for our website. That is: how many pages we will need and the design to make our website a user friendly website.

2.1.1 Use Case Diagram



2.1.2 ER Diagram:



2.2 Technology Used:

2.2.1 Languages:

At completing design we needed language to communicate with our computers. The languages are given below:

PHP: Hyper text pre processor is known as a general-purpose scripting language that can be used to develop dynamic and interactive websites. WE used PHP to connect HTML and Database.

HTML: The Hyper Text Markup Language is the standard markup language for documents designed to be displayed in a web browser. For documenting our website we used HTML.

CSS: CSS is the language we use to style an HTML document. CSS describes how HTML elements should be displayed. To make our Website more pleasurable we used CSS.

MySQL: MySQL is a relational database management system based on SQL – Structured Query Language. MySQL helped us to query our askings.

JavaScript: JavaScript is a text-based programming language used both on the client-side and server-side that allows to make web pages interactive. We used JavaScript mainly for security and notifications.

2.2.2 Code Compilers:

To compile our code we used given compilers:

VisualStudio: The Visual Studio IDE (integrated development environment) is a software program for developers to write and edit their code. Its user interface is used for software development to edit, debug and build code. We did maximum of our coding in visual studio.

Wampserver: WampServer is a Windows web development environment. It allows to create web applications with Apache, PHP, and the MySQL database. It also comes with PHPMyAdmin to easily manage your databases. WampServer is the only packaged solution that will allow to reproduce production server. To create our database Tables we used PHPMyAdmin . But initially we learned creating tables and how to query in Wampserver console which was our academic compiler also. That's why using Wampserver helped us the most for understanding the basics.

Chapter 3:

Result

The landing page of our 'Animal Care' website is :

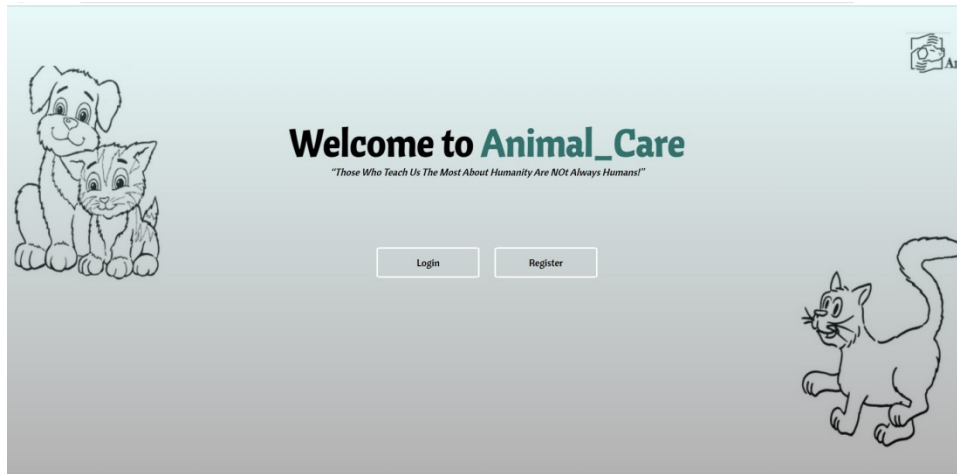


Fig. 4.1 Landing Page

There are two options in landing page: 1) Login 2) Register

1) Login: For the members who are already registered.

2) Register: For those who wants to be a member of this website.

If Register option is clicked then the next page will be:

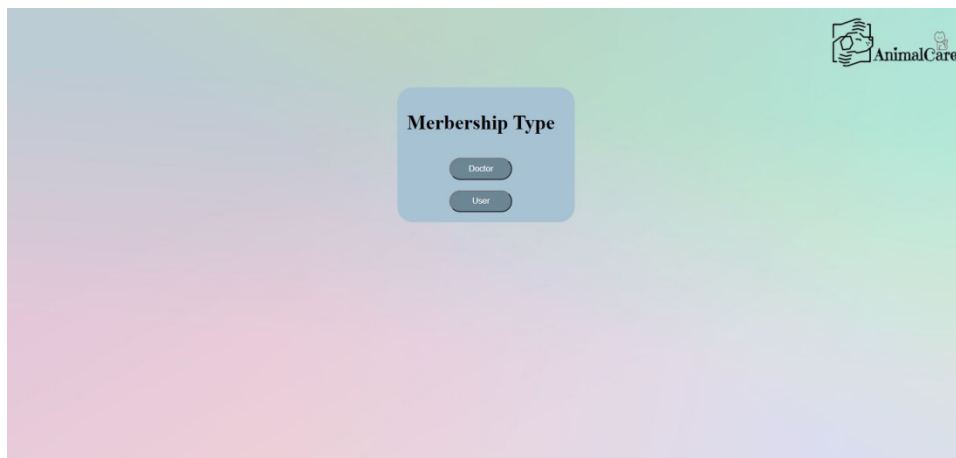
The screenshot shows a web page with a light blue and green gradient background. In the top right corner, there is a logo for 'AnimalCare' featuring a stylized animal head. In the center of the page, there is a light blue rounded rectangle with the title 'Merbership Type' (note the typo). Below the title, there are two buttons: 'Doctor' and 'User', both with a dark blue border and light blue fill.

Fig. 4.2 Membership Type

There are again two options: 1) Doctor 2) User

1) Doctor: (As our website's main gole is to provide medical support we will need vatenary doctors) . If a doctor wants to provide service he will register as doctor.

2) User: Other than doctors, everyone else will register as users.

After choosing the Membership type, they will get a registration form.

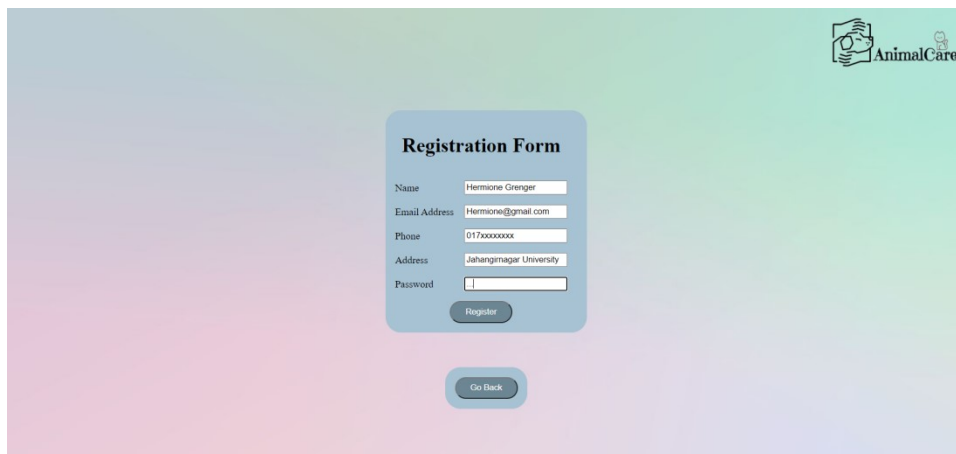
The screenshot shows a web page with a light blue and green gradient background. In the top right corner, there is a logo for 'AnimalCare' featuring a stylized animal head. In the center of the page, there is a light blue rounded rectangle with the title 'Registration Form'. Below the title, there are five input fields: 'Name' (filled with 'Hermione Granger'), 'Email Address' (filled with 'Hermione@gmail.com'), 'Phone' (filled with '017xxxxxxx'), 'Address' (filled with 'Jahangirnagar University'), and 'Password' (empty). Below the input fields, there is a 'Register' button. Below the 'Register' button, there is a 'Go Back' button.

Fig. 4.3 Registration Form

After fulfilling the registration, the member will land to the login page. Where they will get their login option.

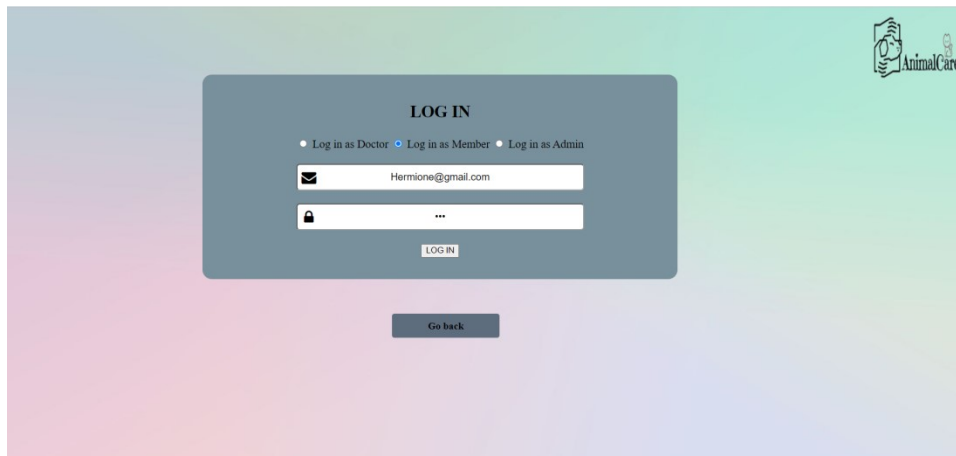


Fig. 4.4 Log In Page

As the login page is available for all kind of users for this website (Admin, Doctor, User), there will be option to choose what kind of member is he. But if someone unwanted wants to enter further, the website security system won't allow it.

After successfully login they will go to the home page or the center page of our website “Animal Care”.

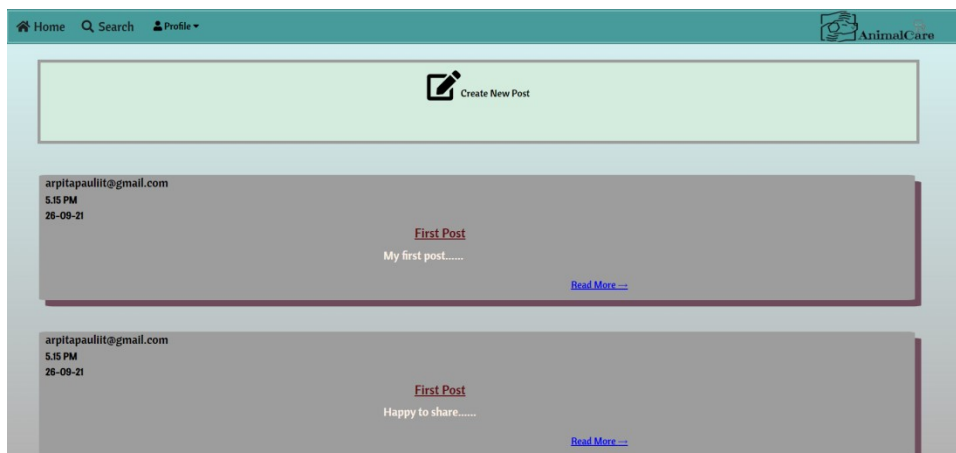


Fig. 4.5 Home Page

Here we can see all the posts, the post related comments, the time and the person who made the post. If someone wants to post a help post, service post, adoption post, helping post everything will be shown here and only registered members will be able to see them. As for responding they can comment also and for onsite help: using email, communication is also possible. This is how a

community can be made who will help each other about their pets or roadside animals, or how to treat a wounded animal like dog cat. Sometimes a person wants to shelter an animal but doesn't know how to get one. So, our website can help them by posting about their wanting to adoption. And a person can help them by posting adoption post about animals who are not secured and or roadside puppies which are vulnerable to death. Our website can help those helpless Lives to get a home.

At the top, there are two more options; 1) Search 2) Profile

1) Search: The search option is for query. There are Two queries.

First one is for onsite. Like if someone wants onsite help, she can search by her area that if there are any doctors. By this, one can get emergency help form a doctor like when a wounded animal needs immediate spot treatment.

Other one is for more like online treatment. When one need some small query for their pet's health, they can consult with online doctor via email. But normally how a general person can get a doctor's email! Through this "Animal care" website, a person can easily get help.

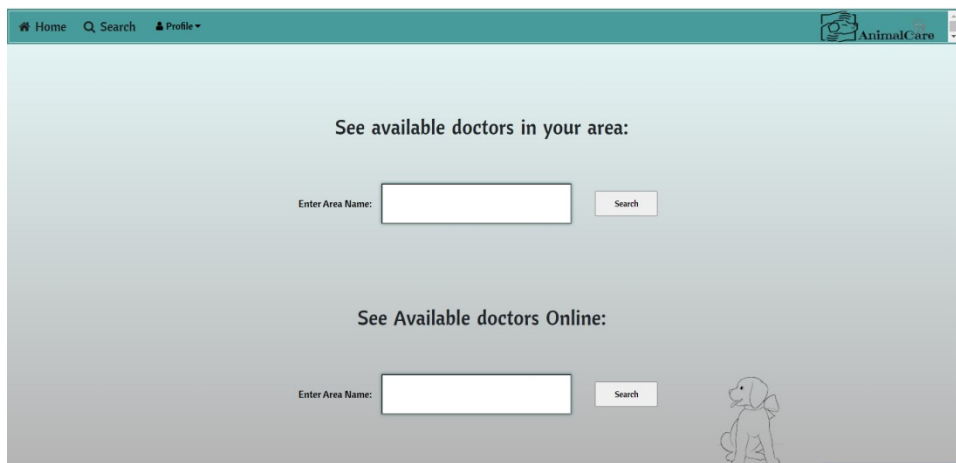
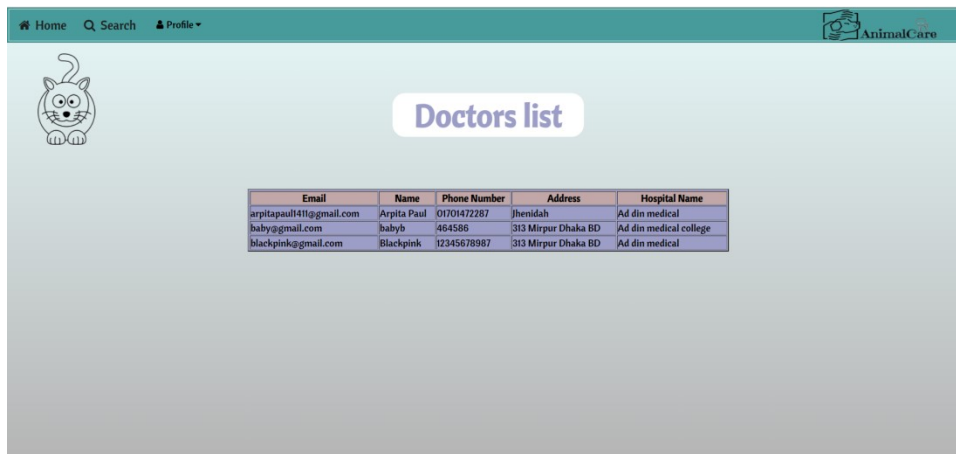


Fig. 4.6 Search Page

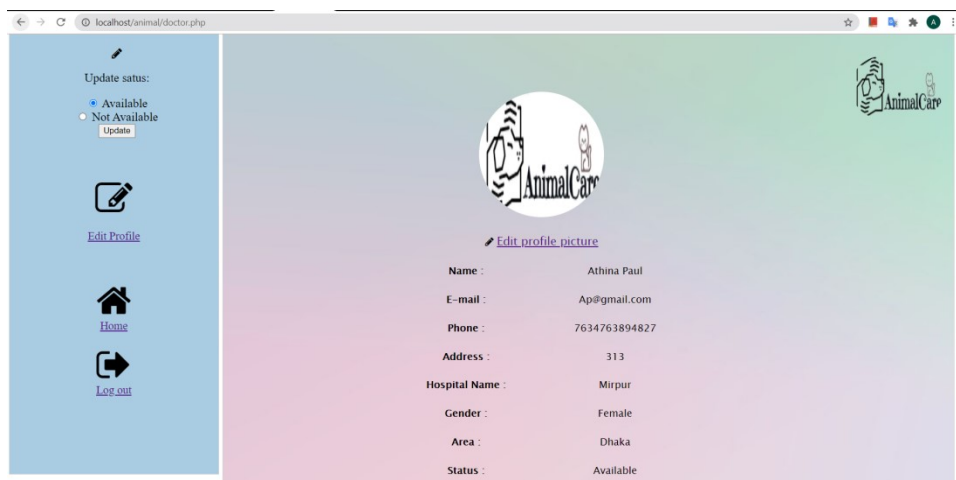
By putting a certain area, the information will be shown like this:



Email	Name	Phone Number	Address	Hospital Name
arpitapaul41@gmail.com	Arpita Paul	01701472287	Jhenidah	Ad din medical
babyb@gmail.com	babyb	484586	313 Mirpur Dhaka BD	Ad din medical college
blackpink@gmail.com	Blackpink	12345678987	313 Mirpur Dhaka BD	Ad din medical

Fig. 4.7 Available Doctors in a Certain Area

2) Profile: There are two options in profiles: i) Doctor profile ii) User profile



Update status:

- ☒ Available
- ☐ Not Available

[Update](#)

[Edit Profile](#)

[Home](#)

[Log out](#)

[Edit profile picture](#)

Name : Athina Paul

E-mail : Ap@gmail.com

Phone : 7634763894827

Address : 313

Hospital Name : Mirpur

Gender : Female

Area : Dhaka

Status : Available

Fig. 4.8 Doctor Profile Page

Here a doctor can update his information, upload his image, logout from his account and more importantly change his status. The need of changing status is very important. When a doctor logout, the status is automatically turned into not available. But only by pressing Available the option will be turned on. Now the need for this system is because when a doctor turns available that means any user can ask for his help to help any animal. As we know there are a lot of

veterinary doctors who wants to give their service but don't know any platform. For them this site is made.

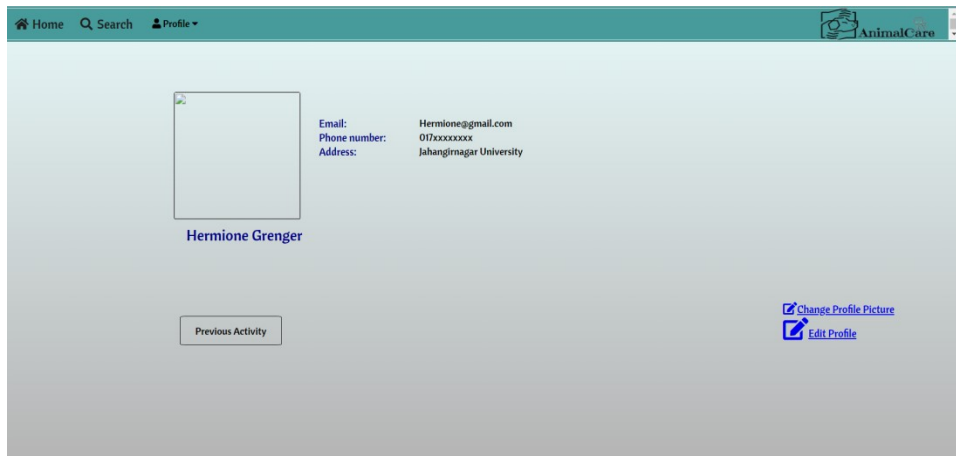


Fig. 4.9 User Profile Page

A user can also edit his profile upload his pictures and saw his information.

There was one more option in login. That was login as admin.



Fig. 4.10 Admin Page

Here an admin can see some static queries. Like total Post, members, doctors etc. One admin can add another admin by help him registering. Then the new admin can change his password also. Sometimes some unwanted posts are being posted on home page. To maintain the website Reputation the admin can warned some member for their unethical doing and finally can remove them by going user, doctor or post operations.

And by using logout option, one can leave the webs

Chapter 4

Conclusion

4.1 Summary

This can be considered as an initial approach to a great website, as we are beginner, we have tried our best to make this website best. Furthermore, while developing this project, we have learned many things. How to handle database, how to create website, all of these things are now very clear to us. This project has enriched our practical knowledge which will help us in our future journey.

4.2 Future Scope

We have develop this website with our very basic ideas. In future , this website can be enriched with more features. Presently, the communication process between the doctor and user hasn't been handled through the website. User can only find contact info of the doctors through the website, and then contact at his/her own way. In future, we can add this feature to communicate directly with the doctor through this website. We are working with this website in our localhost. In future, we can launch this website commercially.

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Website:

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- [3] <https://www.patreon.com/posts/lesson-material-42361704>
- [4] <https://www.geeksforgeeks.org> dbms
- [5] <https://www.guru99.com/introduction-to-database-sql.html>
- [6] <https://www.tutorialspoint.com/mysql/index.htm>
- [7] <https://www.tutorialspoint.com/php/index.htm>
- [8] <https://www.codecademy.com/learn/learn-html>
- [9] <https://www.tutorialspoint.com/css/index.htm>
- [10] <https://www.w3.org/TR/html4/interact/scripts.html>
- [11] <https://www.tutorialspoint.com/mysql/index.htm>