

DIGITAL FARM MANAGEMENT-ADARSHA KHAMAR

BY

NAME

JOYONTO KUMAR SAHA

ID: 161-15-6754

AND

NAME

Md. BADRUL AMIN HAMIM

ID: 151-15-4754

This Report Presented in Partial Fulfillment of the Requirements for the
Degree of Bachelor of Science in Computer Science and Engineering

Supervised By

Name: Ms. Fahmida Afrin

Lecturer

Department of CSE

Daffodil International University

Co-Supervised By

Name: Abu Khalid Mubashshir Mahmud

Lecturer

Department of CSE

Daffodil International University



DAFFODIL INTERNATIONAL UNIVERSITY

DHAKA, BANGLADESH

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APPROVAL

This Project titled “**Adarsha Khamar**”, submitted by Joyonto kumar saha ID: 161-15-6754 and Md. Badrul Amin Hamim ID: 151-15-4754 to the Department of Computer Science and Engineering, Daffodil International University, has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.Sc. in Computer Science and Engineering and approved as to its style and contents. The presentation has been held on 31-12-2020.

BOARD OF EXAMINERS



Dr. Touhid Bhuiyan
Professor and Head

Department of Computer Science and Engineering
Faculty of Science & Information Technology
Daffodil International University

Chairman



Moushumi Zaman Bonny
Assistant Professor

Department of Computer Science and Engineering
Faculty of Science & Information Technology
Daffodil International University

Internal Examiner



Md. Sazzadur Ahamed
Senior Lecturer

Department of Computer Science and Engineering
Faculty of Science & Information Technology
Daffodil International University

Internal Examiner



Dr. Md Arshad Ali
Associate Professor

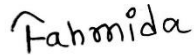
Department of Computer Science and Engineering
Hajee Mohammad Danesh Science and Technology University

External Examiner

DECLARATION

We hereby declare that, this project has been done by us under the supervision of **Ms. Fahmida Afrin, Lecturer, Department of CSE** Daffodil International University. We also declare that neither this project nor any part of this project has been submitted elsewhere for award of any degree or diploma.

Supervised by:



Ms. Fahmida Afrin

Lecturer

Department of CSE

Daffodil International University

Co-Supervised by:



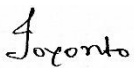
Abu Khalid Mubashshir Mahmud

Lecturer

Department of CSE

Daffodil International University

Submitted by:



Joyonto Kumar Saha

ID: 161-15-6754

Department of CSE

Daffodil International University



Md. Badrul Amin Hamim

ID: 151-15-4754

Department of CSE

Daffodil International University

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ABSTRACT

The main focus behind this app is to make the life of farm owners of our country better. Our country is depending on its agriculture. But the life of the farm owners is not that developed as like other profession. Farm owners who involved with animal farming and life stocking farming are the backbone of this nation. To make their farming life better is the main purpose to develop this “Adarsha khamar’ app. This app is based on database. The whole app is design by JAVA script. This app is mainly for the farm owners so this app is designed in Bangla language. It is a Bangla app which target customer is the farm owners of our country. The farm owners will only need internet connection in their location to use this app. They can contact with veterinary doctors regarding their domestic animals and farming issues. The app has 3 function which will help the farm owners to contact with veterinary doctors, getting information about their animals’ illness or the condition of their animals and the last one is to connect them with ministries of agriculture department of Bangladesh. The app covers all the necessary features a farm owner will need in farming. The app is design division wise. So, the farm owners can contact within the division and does not require to go further to get help. Also, the farm owners can contact with the nearest veterinary doctors through this help and won’t need to go clinic in case there is no emergency. Again, the farm owners can contact with the government employee of agriculture department division wise and get help regarding their land, taking any loan or getting new animals for farming. The best thing is the app is design in Bangla so the farm owners can easily use it.

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CHAPTER 1

INTRODUCTION

1.1 Introduction

Adarsha khamar app is a unique and new app design for the Bangladeshi farm owners and veterinary doctors. The main target customer of this app is our farm owner. This app is design by keeping the farm owner's life in head. The purpose of this app is to make the farm owners life better than present and develop their farming life so that they can have an easy farming life in this modern era. As we know farm owners are the backbone of this nation. Our nation is stand on Agriculture. But the agriculture side of our country is not developed. Most of the farm owners live in rural area. The educational knowledge of the farm owners is much lesser than needed. Many farm owners did not get the proper education about farming. They are using the same method their older generation used and taught them. But in recent era most of this method does not work and the farm owners are facing many loses.

This app is specifically design to develop the farming life of our country. This new era is the era of internet. Everything is now connected to a big network and internet is in the middle of the circle & all are evolving around it. There are no such things that comes out without any limitations but we focused to overcome the best we could do. This app is the 1st step that we could do to make our farm owners life better. As the world is changing, there is many new viruses attacking the domestic animals. Farm owners don't have the proper knowledge about these new animal viruses and they try to treat the animals by old illness method which sometimes lead to great lose. Also, many rural areas do not have veterinary doctors nearby so sometimes it takes too long to take an animal to the doctor. On the other hand, many farm owners don't have the recent equipment to produce food and it makes them to suffer. In farming the most important things are animals and farming equipment. Because of less knowledge and undeveloped area many farm owners lose this precious thing in the way and cause them a great harm. The first feature of this app is to connect farm owners to veterinary doctors. Farm owners can get help from any veterinary

doctors through this app. Also, the veterinary doctors can continue the regular checkup of the animals through the apps with the help of the farm owners instead of bringing the animals to the hospital forth and back. Also, the farm owners can know what is good for their animals, what symptoms the animals showing and what that means through the apps. This is the second feature of the app. The third feature is important for the agriculture department. The app is designed according to the division. The app store all the information and the way to communicate any government member of agriculture department. Any issues about land, or seeds or farming equipment or taking any loan for farming; the farm owners can directly contact with any employee of their division through this app. So, the farm owners won't have to go any offices regularly regarding their farming issue and can save lot of times and energy which they can invest in their work and produce more & more food.

To make the farm owners life better and save them from their loses and having a strong agriculture sector, we are making an app like 'Adarsha khamar' for our farm owners, veterinary doctors and the government agricultural department.

1.2 Motivation

We customer who are not directly involved with agriculture dose not bother how our foods are producing. But some recent issues like some mandatory food items price being increasing beyond imagination has make us to wonder how our food are producing or how our farm owners are doing. It says curiosity kills cats. The curiosity of farm owners life led us to the truth. Many farm owners are still using the same old method their old generation taught them. But the generation changed as well as changed a lot of things. These old method does not work now. Also, the old method was used to produce food for less people. But population increased so it needs a lot of food then people can imagine. Also, many new viruses are discovering which are attacking the animals. The old treatment for domestic animals doesn't work anymore. Now, animals need to take to veterinary doctors. But many farm owners are not introducing to the veterinary doctors. They don't know how to identify the new symptoms their animals showing and when & how to take them to a veterinary

doctor. Also, many farm owners live in the deep rural area. It's hard for them to take their animals to a doctor in time. Meanwhile they lose their animals. Without animals it's hard to do farming. And without animals' farm owners face a great lose. No farming animals means no farming and no new food. It creates shortage of food and the pricing of the remaining food increase that become hard for customer to buy. These issues worked behind developing this app. If we keep apart the food shortage problem aside, there is another issue. Because of less knowledge of the farm owners, we lost thousands of animals in a year. Animals are as important as human being. But many farm owners don't understand how to visit any veterinary doctors or if his animals actually need to see a veterinary doctor. This app creates the function for a farm owner to contact with a veterinary doctor regarding his animal health issue. Also. If we see other foreign countries which economy depends on agriculture, they use many farming app to make farming life better. Like Japan, China, Thailand, Vietnam. These countries have a very good farming system and one of their background is farming app which helps their farm owner. So, seeing these countries developed farming and noticing the recent food issues of our country motivate us to develop this 'Adarsha khamar' app for our farm owners. On the other hand, saving thousands of domestic animal lives is another factor which work behind developing this app.

1.3 Objectives

- Define new farming system
- Recording information about farm owners who uses the app
- Recording information about farm owners current lands, farming equipment and animals.
- Recording information about farm owners domestic animals' health condition (past & present)
- Insuring the healthy life and condition of domestic animals
- Recording information about veterinary doctors
- Recording information about Bangladesh agricultural department' employee's

- Keeping record of how many times a farm owner's contacts with a veterinary doctor.
- Keeping records of the farm owners and the veterinary doctor's meetings.
- Keeping record of the farm owners and the Bangladesh agricultural department's employee's meeting.
- Ensuring a better, healthy & developed farming system for the farm owners.

1.4 Expected Outcome:

We believe people will be getting efficient data to start livestock farming by using our application.

Moreover, the owners of livestock farm can know about the diseases and their precautions from our application as well.

- Beneficial to farm owners.
- Common people will be benefited by this app.
- Veterinary doctor consultation feature will be provided.

1.5 Project Management and Finance:

We have tried to make our project helpful for the farm owners and common people. So, we took some steps for maintaining our project. For project management purpose, we have made a consultation team who will provide services if any user faces any problems. We have made a very secure database for common people.

This is very low-cost project. As we are students so, we thought to make this app budget oriented. And this will be free for all people.

1.6 Report Layout:

Chapter 1: Introduction

There we have tried to fulfil our target and layout brief is given below-

Chapter 1 describes Objective, Motivation, Expected Outcome, Project management and finance.

Chapter 2: Background

Chapter 2 mainly contains Scope of the problems, related work, terminologies, challenges, and background analysis.

Chapter 3: Requirement Specifications

In chapter three we discuss about our application's use case, data flow diagram to show how our application works from admin to users.

Chapter 4: Design

This chapter shows the interface of our application and how our application is designed.

Chapter 5: Implementation and Testing

In chapter five it shows the programming languages and database we used, including the testing implements and its result.

Chapter 6:

This chapter shows our future plans regarding this application and an overall review.

CHAPTER 2

BACKGROUND

2.1 Terminology:

Basically, our country is an agricultural country and famous for its crops and livestock farming. Beside this in this era is technology-based era where smartphones are more available than ever. So, we decided to introduced the farm owners and the people interested in livestock farming to know about all this in one place.

This app provides disease information, doctor information, solution of disease and user can easily share their problems and they can easily find solution.

They can also get notified about new disease and solution by sharing their problems with photos and videos.

2.2 Background Analysis

The world is to internet now. The world has become much developed and better place. All are connected to a big network and all are functioning through internet. All the big sector are developed and running with the help of internet except one sector. That is our agriculture sector. Our agriculture sector is still stay behind to all the recent developed program. Our farm owners are still using the same old method their ancestors used to use. But those old method are not working anymore. If any of the old method is working, it brings lose rather than coming in any help. Also, the old farming method are not capable to produce large ton of foods. Population is increasing day by day. And to maintain this large population, the country needs more & more food. But farm owners can't able to. Also, the large part of farming is domestic animals. But this important part of farming is dying in thousands number in a year because of wrong treatment and lack of treatment. New illness is being detected in domestic animals. These illnesses are hard to identify if a person does not have proper knowledge. Also, the symptoms are different than as usual illness. In this changing world, everything needs certain knowledge. And it applies for

farming also. Domestic animals now need to see veterinary doctors in regular basis. Also, they need regular checkup after the harvesting seasons get over as this time, they go through a lot of work pressure. Also, because of the current weather and environment the food reaction also changed in animals. If an animal does not get what its body wants it leads to death which is a great loss in farming. Most of our farm owners are illiterate and have less education. Moreover, that they don't have proper knowledge in farming. They are using what they saw in childhood their ancestors use. Because of that, they are facing huge lose every year as well as losing their precious animals. To prevent the loss and saving life, the farm owners need advance and developing farming system.

To think about the condition of our farm owners, we come off with the 'Adarsha khamar' app idea. This app is design by thinking about our farm owner's current condition. To give them an advance and better farming system, we develop this app.

This app holds three feature which combined the farm owners, the veterinary doctors and the Bangladesh agricultural department. The veterinary doctors will help the farm owners to save the life of their precious domestic animals. The veterinary doctors will ensure all the farming animals have a healthy life and also the farm owners reduce the loss of animals. On the other hand, agricultural department will handle all the other farming factors like lands, equipment, loans for farming and will deal it directly with the farm owners. The great thing about this app is designed in Bangla is all the feature are categorized division basis. So, the farm owners won't have to go any far to look for a veterinary doctor and any government employee. He can get help in his own division.

So, considering the present situation of our farm owners life and our country's farming system, we develop this app to change the old farming system to a new develop one and provide a better situation to our nation back bone.

2.3 Related Work

From our research work, we got to know that there's a similar work has done before in our country but that's about fisheries related, which is called 'Rupali'

Below here is given some options same as ours

2.3.1. Login page/ home page

This is the login and home page of the Rupali App, which is similar to us.

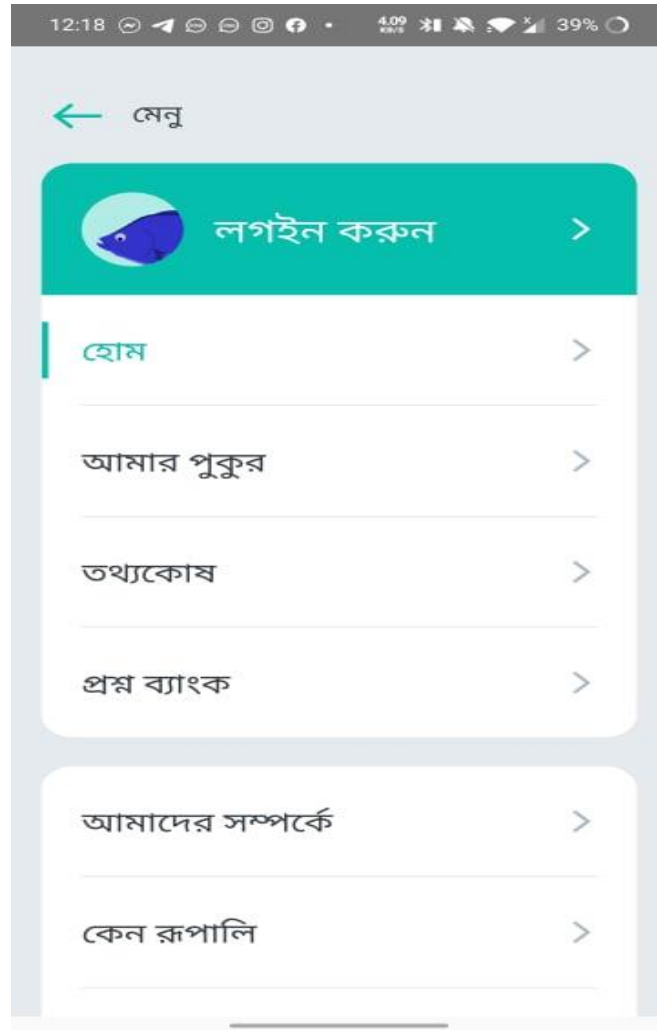


Figure 2.3.1: Login page/Home page

2.3.2. Information page

This page is about information about fishes and their diseases according to their application.

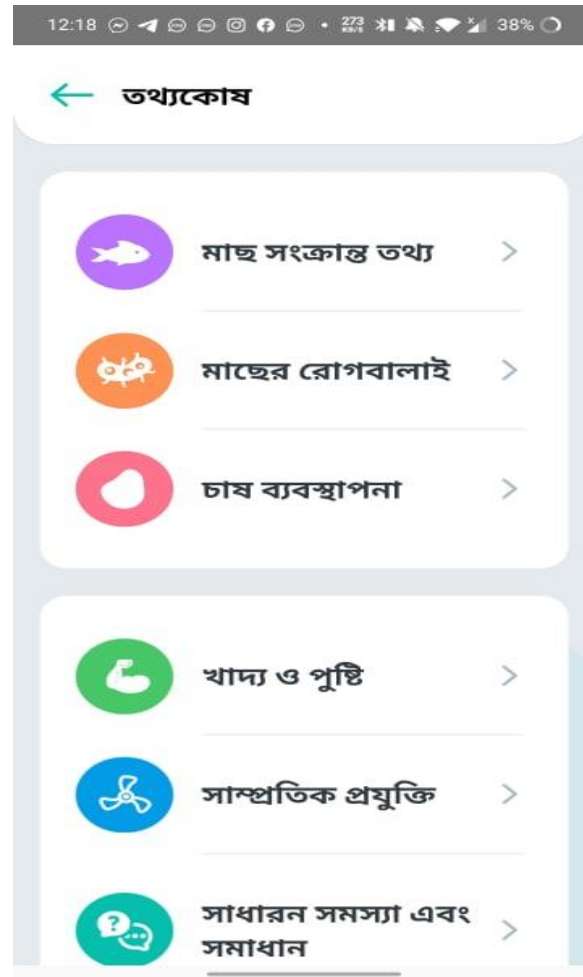


Figure 2.3.2: Information

2.4 Scope of the Project

The main purpose of this app is to introduce our farm owner to the advance farming system and make their farming life better. Our app is design in Bangla and has a very easy way to process. Anybody with a smart phone who wants to find earnings through farming can get help from our app. Farming is the backbone of our nation. Still, it is the most undeveloped sector in economy. Many young people now think about starting farming business but they face many barriers in way regarding lands, animals, seeds. Our app is connected with local and district agriculture department. So, the young people can contact with the any

government agricultural employee through the app and get help regarding any farming issue. Also, the farm owners who suffer losses because they don't have any proper knowledge about animal treatment can contact with veterinary doctors without going to the clinic and save one's life. Animals can be treated from home with the help of this app and the farm owner can prevent any kind of losses and make enough profit. Also, the farm owners can know use advance farming to their farming system to produce more and more food with the help of this app.

So, the app will help the new farm owners to start farming while facing less problem as well as to treat animals without going to clinic & the old farm owners to use new technique in their farming system.

2.5 Challenges

'Adarsha khamar' app is designed specifically for the farm owners and the veterinary doctors. While designing this app, we visited some district of Bangladesh and talked with majority of the farm owners and land owners. We visited each of the farm owners' house personally and talk with them about their farming life, their way of farming and what barriers they face while growing products. As most of the farm owners lives in very rural area and they are very friendly with their surroundings but they are very conservative & introvert with the stranger. Also, while living in the rural area, most of the farm owners are not recognized with advance farming system. So, it was quite hard at first to talk with them about their livelihood and make them understand about advance farming and Adarsha khamar apps. It took a while to make them understand how the apps works and how they can be benefited by it.

On the other hand, the app also works with veterinary doctors. After meeting with the farm owners, we went to meet the local veterinary doctors and also them who lives far but falls in same district. We talked with them, told them about our apps and the purpose of the app. We discussed how they can contribute to our app and make the app easy for our farm owners and as well as for them.

So, the challenges where we had to go door to door to make people know about our app and make them believe how they can be benefited by our app.

CHAPTER 3

REQUIERMENT SPECIFICATION

3.1 Business Process Modeling

Business process modeling is the graphical portrayal of an organization's business cycles or work processes, as a method for recognizing likely upgrades. This is usually done through different graphical model like flowchart, data-flow diagram etc.

Data-Flow Diagram (Level 0)

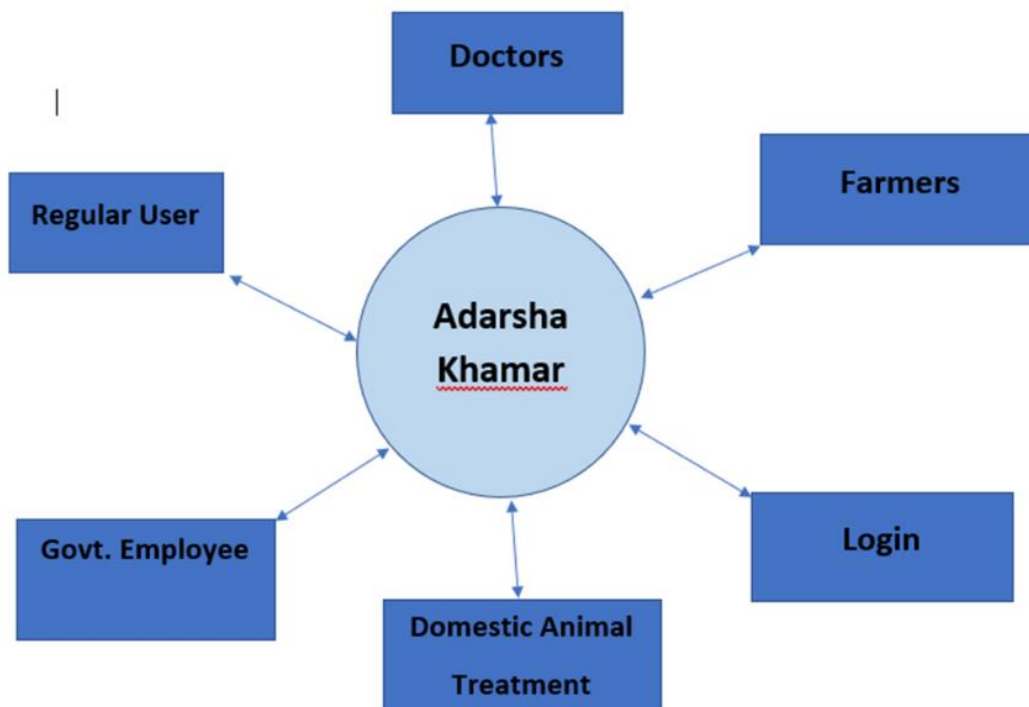


Figure 3.1: Data-Flow diagram

Data-Flow Diagram (Level 1)

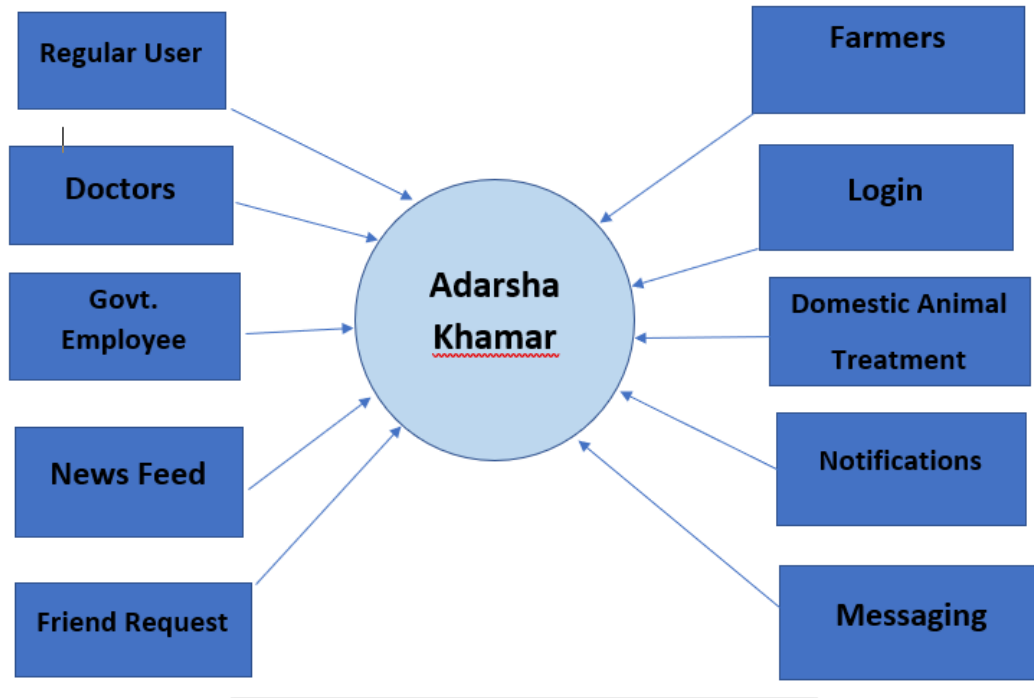


Figure 3.1: Level 1

3.2 Requirement collection and Analysis

There are many benefits of the app.

- Farm owner can easily know about diseases of cow.
- User can message another user.
- Farm owner can write their problems and another user can like and comment solution or help in the comment box.
- Farm owner can easily find diseases and their treatment in our app.

People can chat in another website or platform but our app is mainly focused for farm owner so farm owner can easily contact with nearest doctor. If any user wants to contact with government employees, user can find their Emails, Cell number and Designation in our app. And user can contact with the government employees by phone call and by email.

The doctor and Farm owner relationship is key to the act of medical care and is a fundamental for the conveyance of great service in the finding and treatment of infection. The specialist persistent relationship structures of the establishments of the contemporary clinical morals.

Requirement

- Android studio 4.1.1 for develop project
- Programing language Java
- Android device for testing
- MySQL database

3.3 Use case modeling and Description

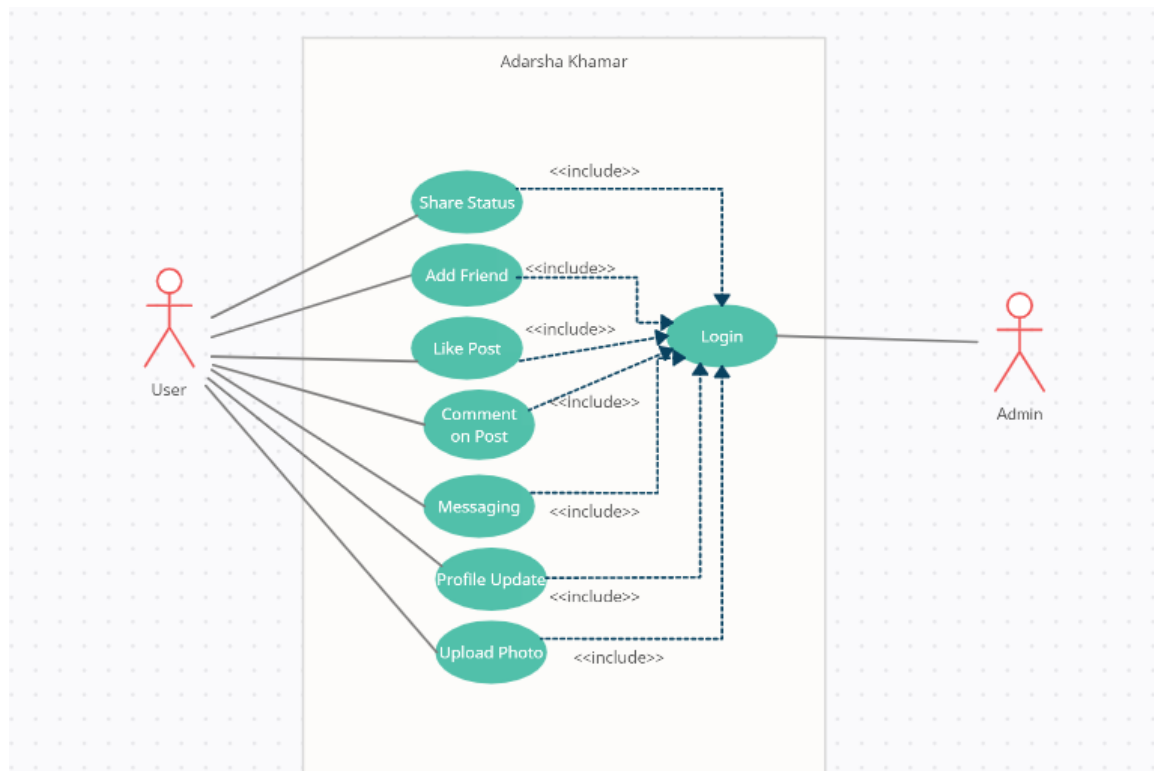


Figure 3.3: Use Case diagram

3.4 Logical Data Model

Entity-Relationship Diagram

Entity-Relationship Diagram likewise is known as ERD is a sort of underlying graph for use in data set plan. An ERD contains various images and connectors that pictures the connection between elements. ERD outline is useful to delineate how elements, for example, individuals, articles or ideas identify with one another inside a framework.

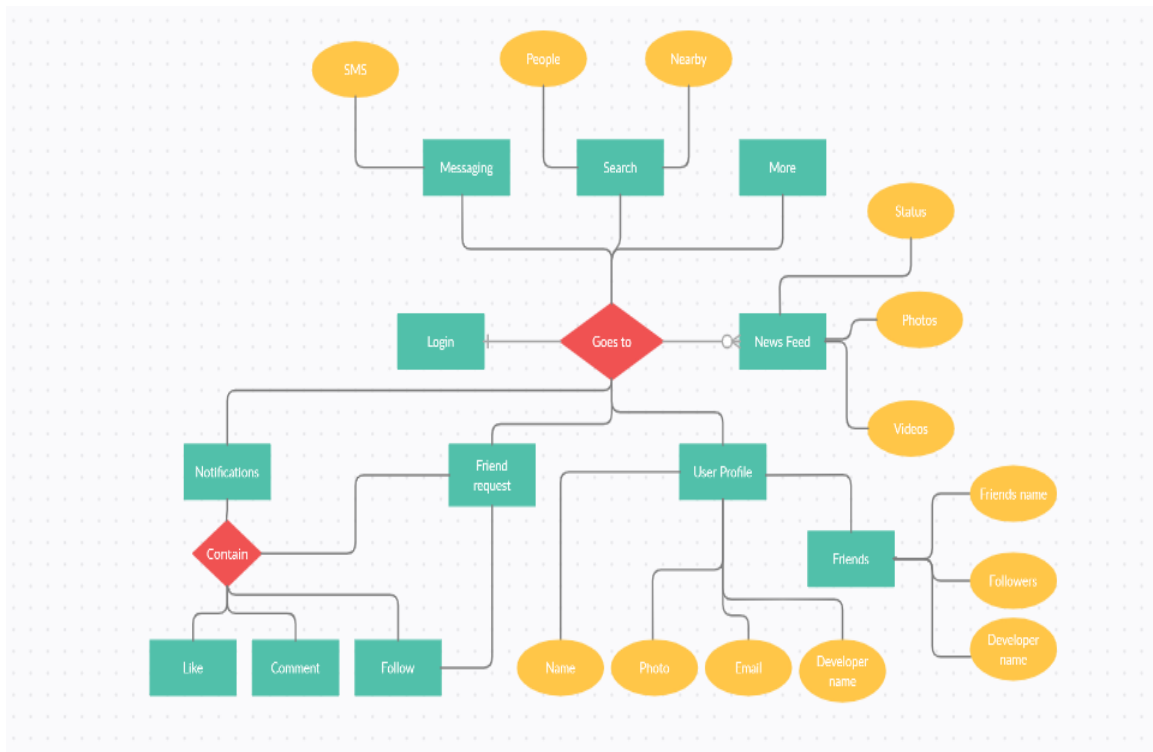


Figure 3.4: ER Diagram.

CHAPTER 4

DESIGN

4.1 Front-end Design

As user first shows first look of design. It is very important to have nice, clean interactive front-end design. Front-end design of our app consists the following features.

4.1.1 Login and Registration:

This is a simple login page. After giving proper Name, user name, email and password you will be able to access all features of Adarsha Khamar App. For login you have to provide your registered email address and password for access.

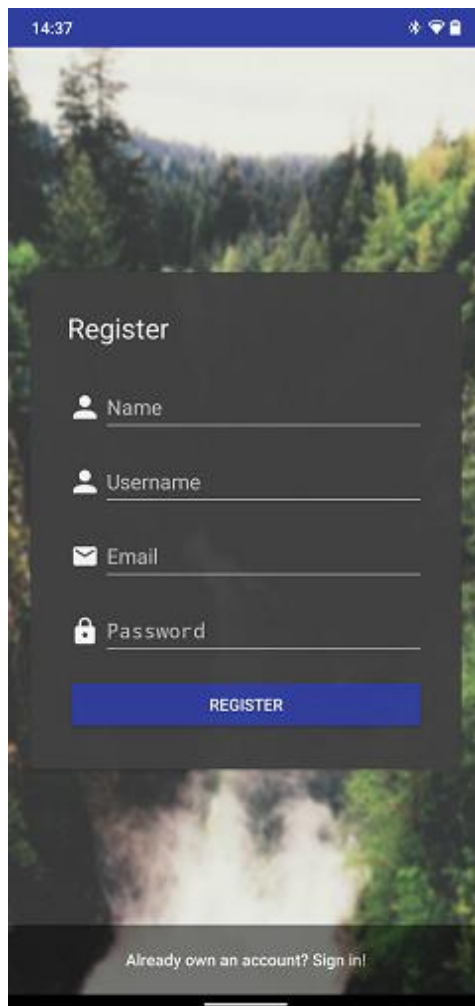


Figure 4.1: Registration

4.1.2 Profile

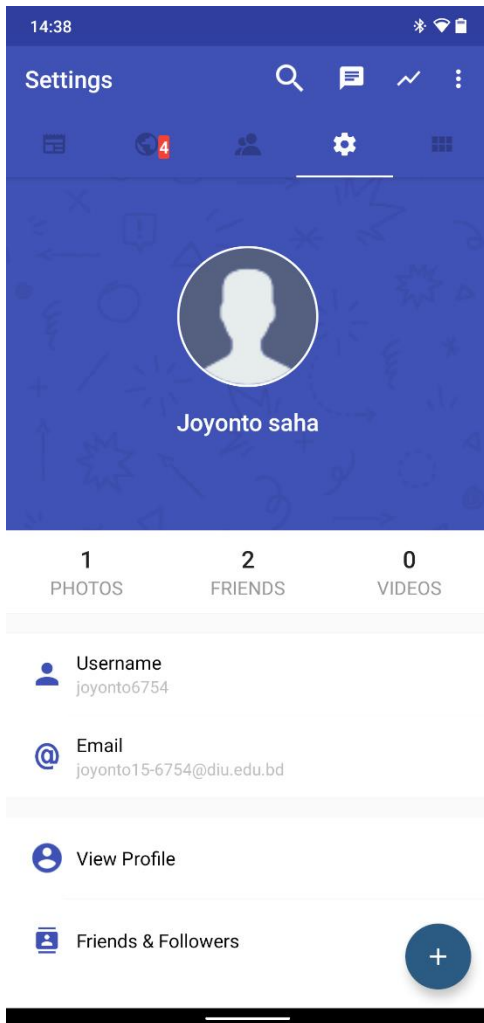


Figure 4.1.2: Profile

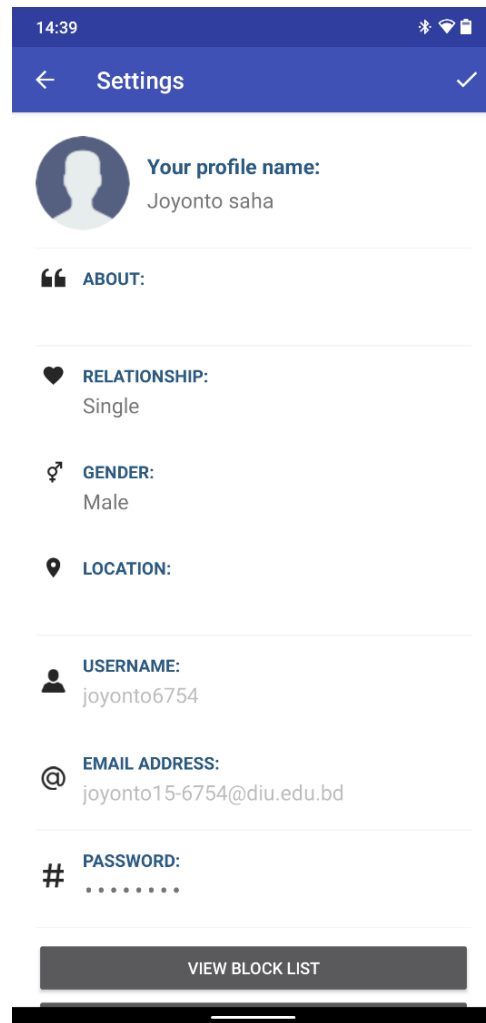


Figure 4.1.2: Account

After login you can access all features of app. There is a UI of profile. This is a user profile page. Here when you tap on “View Profile” option then you can see

- i) Friends
- ii) Followers
- iii) Followings
- iv) Your provided photos and videos in the app
- v) Gender

- vi) Relationship
- vii) Email
- viii) Location
- ix) About

4.1.3 News Feed

All Users are access news feed for giving their text photos and videos. We know our Adarshsa Khamar app is designed for mainly for farm owners. Many people suffer many problems like cow's illness. They cannot find any solution for communication problems. But when a user provides a photo and text for specific problems of illness, then users all friends can see the status of users and if anyone find the solution then he can help the user. And all friends can like status and also, they can comment in the status.

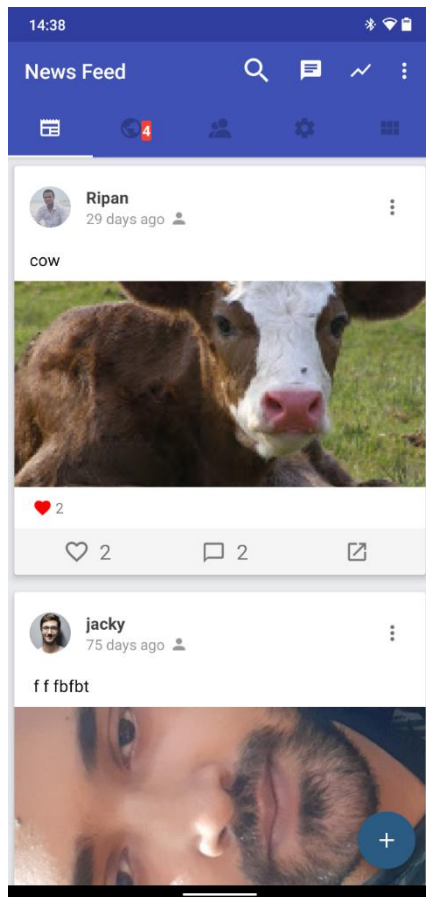


Figure 4.1.3: News Feed



Figure 4.1.3: Comments

4.1.4 Friends, Followers, Followings

When someone want to make friends, then search someone and find the user and then follow the user. But when another user accepts your following and follow back you then you will be friend.

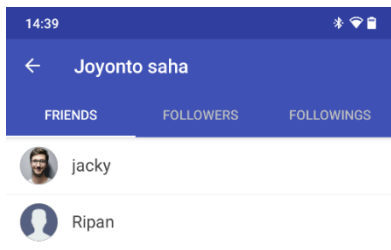


Figure 4.1.4: Friends

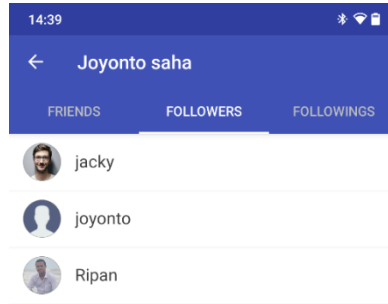


Figure 4.1.4: Followers

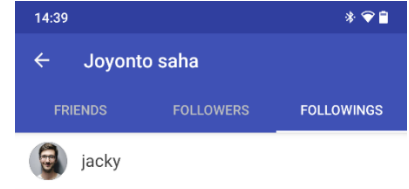


Figure 4.1.4: Followings

Here you can see your all friends. You can see all who are following you and your followings.

4.1.5 Messaging and Notifications

In our Adarsha Khamar app here is a very useful features for users. That is Messaging. When a user want contact another user or his friends, they can easily contact using our app. And another feature is Notifications. When your friend like your status or photos, you will be notified, not only like but also when any user follows you or want to make friend and when any friend comment in your status or photos, then you will also be notified.



To start a conversation, tap the + button



Figure 4.1.5: Messaging

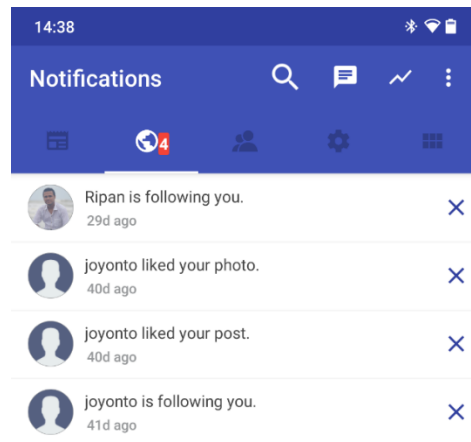


Figure 4.1.5: Notifications

4.1.6 Menu Bar

We know that our app is mainly focused for farm owners and we can say them Khamari. So in our app in right corner, we can see a menu bar. This menu bar contains many useful features that will help the farm owners and Khamari.

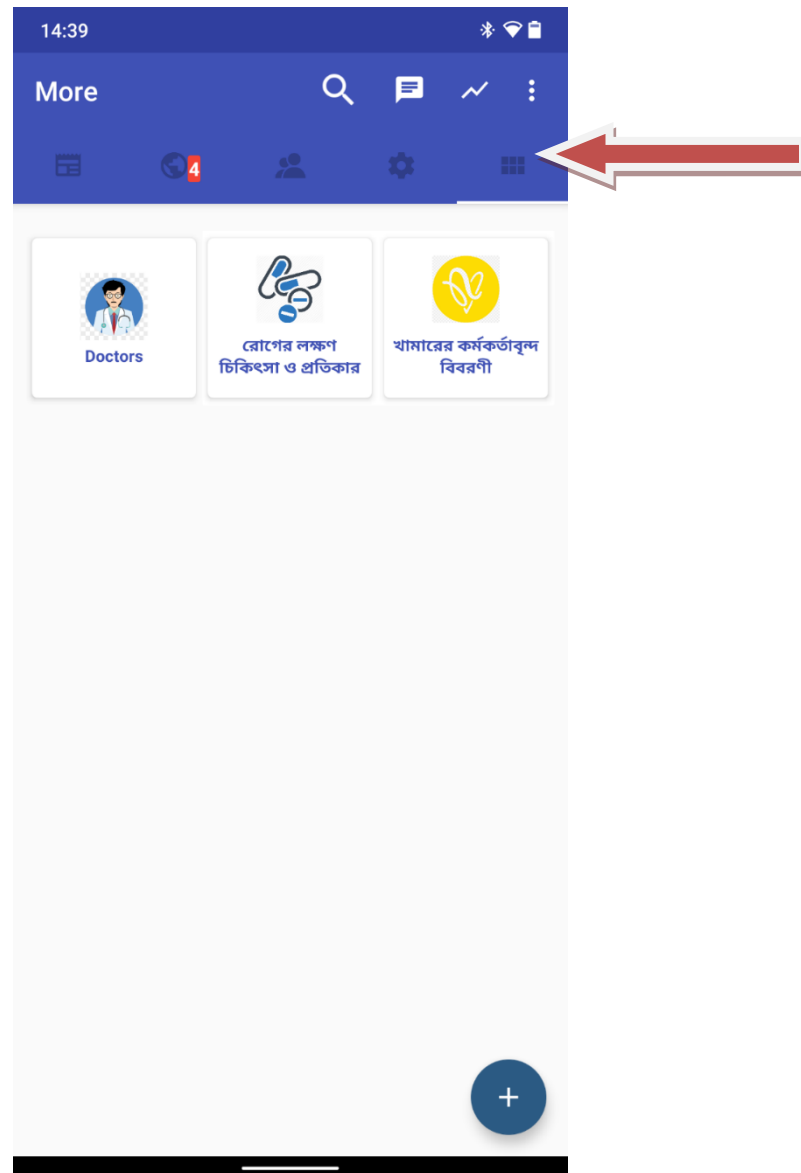


Figure 4.1.6: More

Doctors

When you tap on the Doctors option you can see the many district name. then you have to find your district name and tap on it then find nearest doctor who will help you. You can call doctor and tell him your problems. After that doctor will help the user.

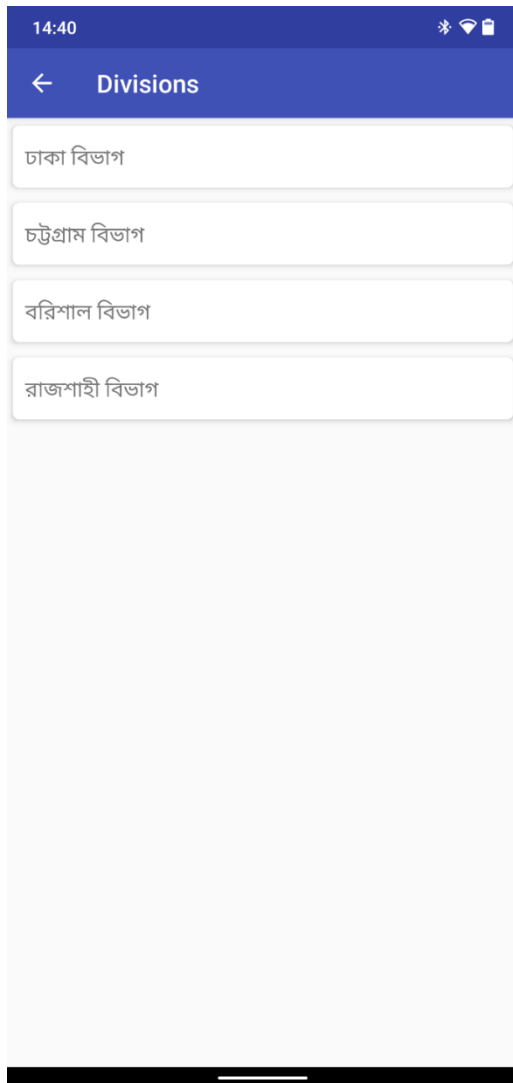


Figure 4.1.6: Divisions



Figure 4.1.6: Doctors

Symptoms, Treatment, Remedies

Another important option is this. Here is many **Diseases Name** and their **Symptoms, treatment, and Remedies**.



Figure 4.1.6: Diseases Name

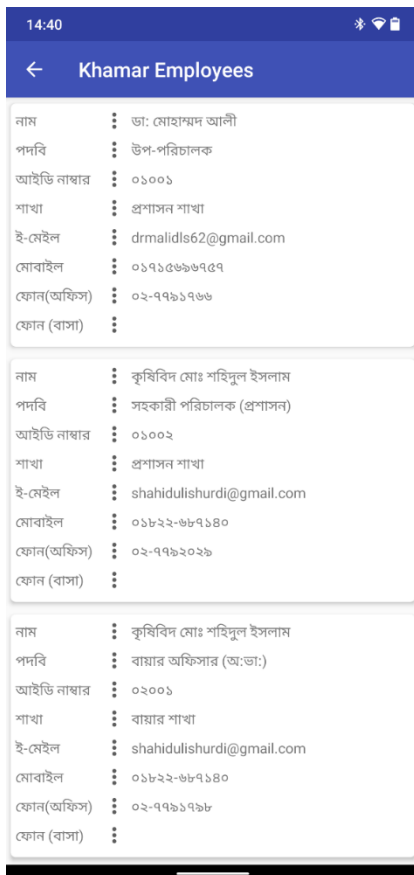


Figure 4.1.6: Symptoms

Khamar Employees Name

In menu bar option 3rd number option is Khamar employee's name. Here you can see all the Government Employees

- i) Name,
- ii) Designation,
- iii) ID number,
- iv) Section,
- v) Email,
- vi) Cell number.



14:40

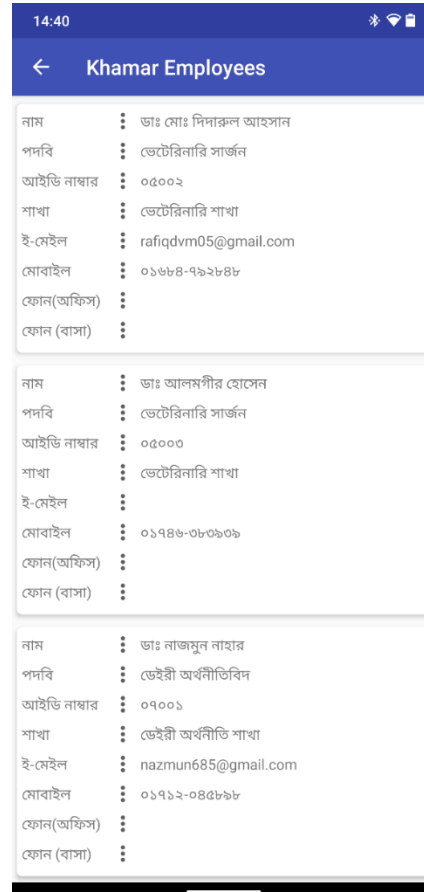
← Khamar Employees

নাম	:	ডাঃ মোহাম্মদ আলী
পদবি	:	উপ-পরিচালক
আইডি নম্বর	:	০১০০১
শাখা	:	প্রশাসন শাখা
ই-মেইল	:	drmalids62@gmail.com
মোবাইল	:	০১৭১৫৬৯৬৭৫৭
ফোন(অফিস)	:	০২-৭৭৯১৭৬৬
ফোন (বাসা)	:	

নাম	:	কৃষিবিদ মোঃ শহিদুল ইসলাম
পদবি	:	সহকারী পরিচালক (প্রশাসন)
আইডি নম্বর	:	০১০০২
শাখা	:	প্রশাসন শাখা
ই-মেইল	:	shahidulishurdi@gmail.com
মোবাইল	:	০১৮২২-৬৮৭১৪০
ফোন(অফিস)	:	০২-৭৭৯২০২৯
ফোন (বাসা)	:	

নাম	:	কৃষিবিদ মোঃ শহিদুল ইসলাম
পদবি	:	বায়ার অফিসার (অ:ভা:)
আইডি নম্বর	:	০২০০১
শাখা	:	বায়ার শাখা
ই-মেইল	:	shahidulishurdi@gmail.com
মোবাইল	:	০১৮২২-৬৮৭১৪০
ফোন(অফিস)	:	০২-৭৭৯১৭৯৮
ফোন (বাসা)	:	

Figure 4.1.6: Employees



14:40

← Khamar Employees

নাম	:	ডাঃ মোঃ দিদারুল আহসান
পদবি	:	ভেটেরিনারি সার্জন
আইডি নম্বর	:	০৫০০২
শাখা	:	ভেটেরিনারি শাখা
ই-মেইল	:	rafiqdm05@gmail.com
মোবাইল	:	০১৬৮৪-৭৯২৮৪৮
ফোন(অফিস)	:	
ফোন (বাসা)	:	

নাম	:	ডাঃ আলমগীর হোসেন
পদবি	:	ভেটেরিনারি সার্জন
আইডি নম্বর	:	০৫০০৩
শাখা	:	ভেটেরিনারি শাখা
ই-মেইল	:	
মোবাইল	:	০১৭৪৬-৩৮০৯০৯
ফোন(অফিস)	:	
ফোন (বাসা)	:	

নাম	:	ডাঃ নাজমুন নাহার
পদবি	:	ডেইরী অর্থনীতিবিদ
আইডি নম্বর	:	০৭০০১
শাখা	:	ডেইরী অর্থনীতি শাখা
ই-মেইল	:	nazmun685@gmail.com
মোবাইল	:	০১৭১২-০৪৫৮৯৮
ফোন(অফিস)	:	
ফোন (বাসা)	:	

Figure 4.1.6: Employees

4.1.7 About

Here user can see the developers of the app.

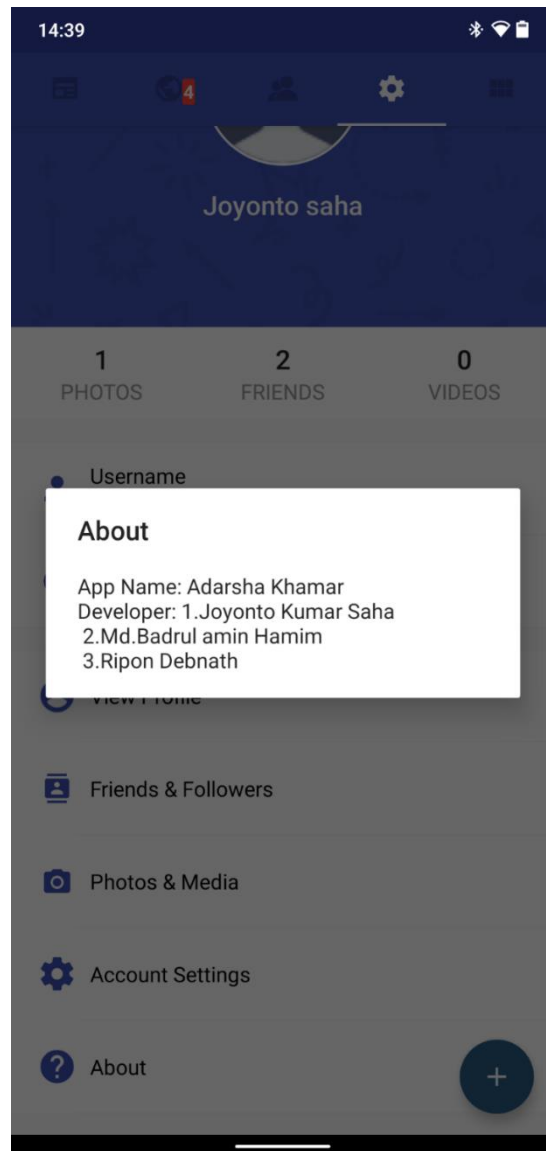


Figure 4.1.7: Developers Name

4.2 Back-end Design

Improvement at the back end is the foundation of any usage. Without proficient and powerful back-end improvement, users cannot have astounding application experience. We used Realtime database and offline database for smooth user experience. We used MySQL database to store offline device application data and online user information. We store all information of user in a unique key.

4.3 Interaction design and user experience

Another important part of our app is interaction design and user experience. Our main goal was to introduce users with a better experience about our app. We also tried to make this app user friendly as well as free for all type of users. We mainly focused in

- Users basic necessity.
- Avoid complex user interface.
- Secure user information.
- Farm owners recommendation.
- Easy to handle this application.
- Farm owner can easily know about diseases of cow.
- User can message another user.
- Farm owner can write their problems and another user can like and comment solution or help in the comment box.
- Farm owner can easily find diseases and their treatment in our app.

4.4 Implementation Requirements

Programing Language:

❖ PHP

PHP is a worker side scripting language intend for web advancement yet additionally utilized as a universally useful programing language.

❖ jQuery

jQuery is a cross-stage JavaScript library intended the improve of customer side scripting of HTML. Utilized by over 60% of the 10,000 most visited sites.

❖ **JavaScript**

JavaScript is a dynamic PC programming language. It is mostly usually utilized as a feature of internet browsing.

❖ **HTML**

HTML or Hypertext markup language is the standard markup language used to make Web pages. HTML is written as HTML components comprising of labels encased in angle brackets like <html>

❖ **CSS**

Cascading style sheets (CSS) is a style sheet language utilized for describing the look and designing of a document written in a markup language.

Database

MySQL

Markup Language

XML

IDE

Android studio 4.1.1

Hardware

Android supported phone and emulator.

CHAPTER 5

IMPLEMENTATION AND TESTING

5.1 Implementation of Database

The database has a number of tables and different relations. Individuals Email is utilized as the essential key. As the email should be remarkable so there won't be any conflict between any two individuals on the database.

MySQL workbench was utilized to configuration most piece of the database. This tool is very pleasant Graphical User Interface to help individuals fabricate their database administration framework (DBMS) is a PC programming application that communicates with the users, different applications, and the database itself to catch and dissect information. A universally useful DBMS is intended to permit the definition, creation, questioning, update, and organization of database. A database is not for the most part versatile across various DBMS, yet unique DBMS can interoperate by utilizing norms, for example, SQL and ODBC or JDBC to permit a solitary application to work with more than one DBMS. Database administration frameworks are regularly characterized by the data set model that they uphold the most well-known data set frameworks since the 1980s have all upheld the social model as spoken to by the SQL language. At times a DBMS is approximately alluded to as a database.

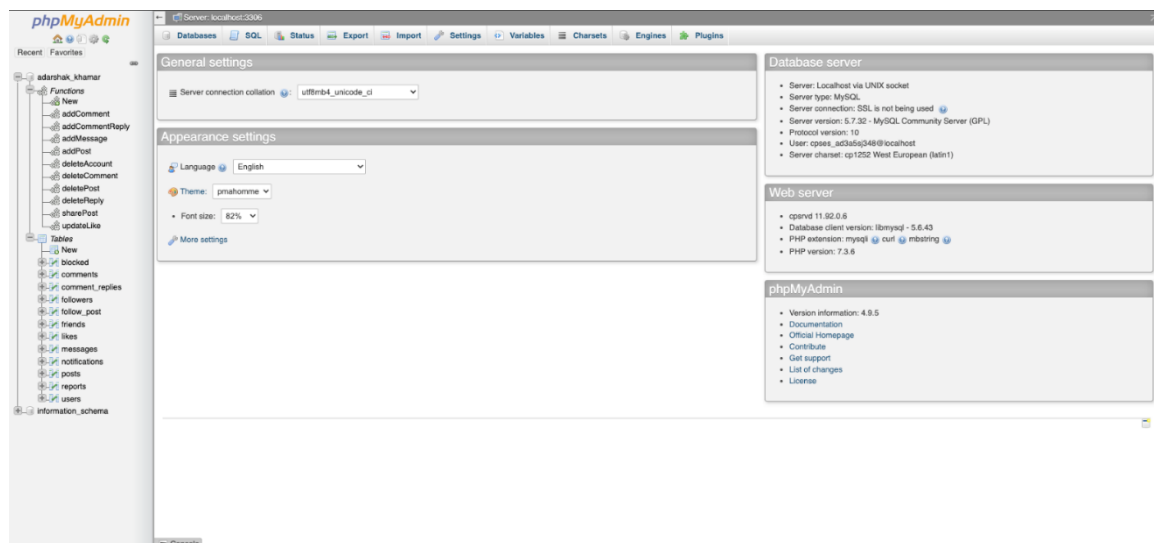


Figure 5.1: Database

5.2 Implementation of front-end design

In our Adarsha khamar app we use html, CSS, PHP for admin panel. And our app development we use Java language and for design we use xml. For networking we are used retrofit library. App works with rest API.

The JSON data is brought through the app and the data is shown by parsing JSON in the app.

There are doctors' interface, symptoms and solution interface, messaging and notification interface, and main part of our app is news feed interface. That is very important for farm owners to share their problems and photos. And another interface is friends, followings and followers.

5.3 Testing Implementation:

We created a google form and took server from various people of different ages and classes and then implemented the necessary information of our application regarding livestock farming.

We have been tested this app and got feedback from our friends. We have been tested in different android phones like nokia 6.1 plus, Samsung, xiaomi, vivo and oppo. And there was different android version.

5.4 Test results and reports:

By our survey we got to know that people are really interested in livestock farming specially the entrepreneurs these days. Moreover, people who're already owning livestock farms suggests us to add different options in our application. Our device testing result was very nice.

The doctor and Farm owner relationship is key to the act of medical care and is a fundamental for the conveyance of great service in the finding and treatment of infection. The specialist persistent relationship structures of the establishments of the contemporary clinical morals.

CHAPTER 6

IMPACT ON SOCIETY

6.1 Impact on society

Technology is now completely entwined with all of our lives. And we cannot move a day without our phones. Nowadays smartphones are a part on our lives.

Our app is mainly made for farm owner. And other hand any common people can easily use this app. So, this app has all positive impact on society. We are not creating no negativity through this app. This app will be helpful for all ages of people. Farm owners can easily find any problems and solution by this app. And they can easily contact with doctor for treatment and any help. User can chat with their friends by this app.

So, impact on society about this app is very positive.

6.2 Impact on environment

Our project is mainly software based not hardware based. So, this will not harmful for environment. We made this project for online communication, so this is not harmful for environment.

6.3 Ethical Aspects

As portable application planners, we must make convincing and drawing in versatile applications that keep individuals returning. We need individuals to love our applications. All things considered, the achievement of our portable application configuration is generally estimated in commitment, number of downloads, and time spent in the application. In the event that they love our most recent application, they'll use it often and inform every one of their companions concerning the amount they use it.

Security, exactness, property, availability, and consequences for personal satisfaction, are generally gives that should be considered in creating and conveying mobile programming frameworks. Picking a specific way to deal with framework improvement can either thwart or encourage tending to these issues in a moral way.

CHAPTER 7

CONCLUSION AND FUTURE SCOPE

7.1 Discussion and Conclusion:

It is concluded that this application system provides user friendly environment to the illiterate farm owner of Bangladesh as System provide information in local language. It's provided Animal treatment, Animal diseases information just operation Android Phone Keypad. Farm owners can access information 24X7 from anywhere, thus travelling time and waiting time in queue to access Adarsha Khamar will be save. System is very cost effective as it is freely available, so the setup cost of Adarsha Khamar is totally eliminated.

Today mobile devices are used frequently by everyone, including the farm owners and countryside people. The traditional methods used by the farm owners, peculiarly in Bangladesh, are very slow and undependable. The large amount of animal is getting damage in the firm due to the bacterial attacks and lack of information resources. This will effectively help farm owners to sell their product in global market and earn remarkable profit. Smartphones can play a vital role in transmitting information to farm owners. Many mobile applications are being developed by keeping the farm owners in mind. All the applications overviewed in the paper are developed by keeping in mind some specific purpose and provide the functionalities for the same. The functions are diverse ranging from animal information, market rates, and daily agriculture news. Yet, only few were able to capture all the needs of a farm owner in its totality- some applications were only in their testing phase, while some were not dynamic. Finally, with the analysis of current farm owners knowledge about modern farming techniques and actual development of modern techniques this application will more helpful them to get all kind of information only in one touch on any time at any place. There are many benefits of the app.

7.2 Scope for further Development:

- google map will be added in doctor's information.
- All livestock officer information will be added.

- Friends suggestion will be added where we can add friends easily.
- We will store all kinds of animal's information.
- We will start our helpline where doctors will be connected.
- Weather will be added.
- Implementing this application in iOS platform as an iPhone App is one of the important considerations as we have many iPhone users.

REFERENCE

For our project purpose we have visited the government veterinary offices located at the Thana/District for collecting the doctor's information as well as primary treatment information's. we have visited some village veterinary doctors for some information. Also, we collect disease name, treatment information from some website. There are

- [1] http://www.ais.gov.bd/site/view/krishi_kotha_details
- [2] <https://agrobangla.com/cattle-and-birds/farm-management-of-cows/>
- [3] <https://agricare24.com/>
- [4] <https://akkbd.com/>

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