

DIGITAL FARMING SYSTEM - CHASI

BY

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

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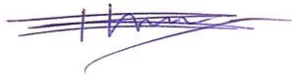
DHAKA, BANGLADESH

JUNE 2021

APPROVAL

This Project titled “**Chasi**”, submitted by Ripan Debnath ID: 171-15-8857 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 1 June 2021.

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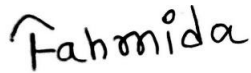
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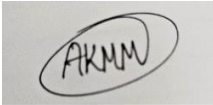
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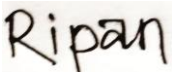
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ACKNOWLEDGEMENT

At first, we express our heartiest thanks and appreciation to almighty god for his heavenly gift makes us conceivable to finish the last year project effectively.

We truly appreciate and wish our significant our obligation to **Ms. Fahmida Afrin, Lecturer**, Department of CSE Daffodil International University, Dhaka. Profound knowledge and distinct fascination of our supervisor in the field of "*Android Application Development*" to do this venture. Her unending tolerance, academic direction, persistent support, steady and lively management, productive analysis, important counsel, perusing numerous sub-par drafts and rectifying them at all stage have made it conceivable to finish this task.

We might want to offer our heartiest thanks to prof. Dr. Touhid Bhuiyan and head, department of CSE, for his thoughtful assistance to complete our task and furthermore to other employee and the staff of CSE division of Daffodil International University.

We might want to thank our whole course mate in Daffodil International University, who participated in this talk about while finishing the course work.

At last, we should recognize with due regard the consistent help and patients of our parents.

ABSTRACT

The principle focus behind this app is to make the existence of farmer of our nation better. Our nation is relying upon its agriculture. However, the existence of a farmer isn't that created as like other calling. Farmers who involved with farming and crops farming are the foundation of this country. To improve their farming life is the main reason to build up this "Chasi" app. This app depends on database. The entire app is plan by JAVA script. This app is fundamentally for the farmers so this app is planned in Bangla language. It is a Bangla app which target client is the farmers of our country. The farmers will just need internet connection in their area to utilize this app. They can contact with agriculture officers in regards to their crops and farming issues. The app has three function which will assist the farmers to contact with agriculture officer, getting data about their crops ruined or the state of their crops and the last one is to associate them with services of agriculture division of Bangladesh. The app covers every one of the essential highlights a farmer will require in farming. The app is plan division shrewd. Thus, the farmers can contact inside the division and doesn't need to go further to find support. Additionally, the farmers can contact with the closest agriculture officer through this assistance and will not have to go agriculture office on the off chance that there is no crisis. Once more, the farmers can contact with the public authority representative of agriculture office division shrewd and get help in regards to their territory, taking any credit or getting new apparatus for farming. The best thing is the app is plan in Bangla so the farmers can without much of a stretch use it.

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CHAPTER 1

INTRODUCTION

1.1 Introduction

Chasi app is an interesting and new app plan for the Bangladeshi farmers and farming business people. The principle target client of this app is our farmer. This app is plan by keeping the farmers life in head. The motivation behind this app is to improve the farmers life than introduce and build up their farming life with the goal that they can have a simple farming life in this advanced time. As we probably are aware farmers are the foundation of this country. Our country is remain on Agriculture. However, the agriculture side of our nation isn't created. The greater part of the farmers live around there. The educational information on the farmers is a lot lesser than required. Numerous farmers didn't get the legitimate education about farming. They are utilizing a similar technique their more seasoned age utilized and educated them. Yet, in ongoing period the majority of this technique doesn't work and the farmers are confronting many loses.

This app is explicitly configuration to build up the farming existence of our country. This new time is the time of internet. Everything is currently associated with a major organization and internet is in the circle and all are developing around it. There are no such things that comes out with no constraints except for we centered to conquer everything we could manage. This app is the first step that we could do to farming crops. As the world is changing, there is numerous new infections assaulting the homegrown crops. Farmers don't have the appropriate information about these new crops infections and they attempt to treat the crops by old sickness technique which here and there lead to extraordinary lose. Additionally, numerous country zones don't have agriculture expert close by. Then again, some farmers don't have the new hardware to deliver food and it makes them to endure. In farming the main things are crops and farming hardware. Due to less information and lacking region numerous farmers lose this valuable thing in the manner and cause them an incredible damage. The second component of this app is to interface farmers to agriculture officer. Farm owners can find support from any agriculture expert through this app.

Additionally, the agriculture expert can proceed with the ordinary check of the crops through the apps with the assistance of the farmers as opposed to carrying the crops to the agriculture office forward and back. The first component of this app is how to farming better. A few activities decide a yield's exhibition, including cultivating and weeding. Sufficient cultivating rates, dispersing and situation are urgent for the advancement of the plant. This is likewise impacted by soil conditions and the editing framework. From manual transmission cultivating to exactness pneumatic cultivating, there is a wide scope of devices and hardware that can improve seed tasks in the particular financial and natural setting of rancher. The second component of this app is to interface farmers to agriculture officer. Farm owners can find support from any agriculture expert through this app. Additionally, the agriculture expert can proceed with the ordinary check of the crops through the apps with the assistance of the farmers as opposed to carrying the crops to the agriculture office forward and back. The third element is significant for the agriculture department. The app is planned by the division. The app store all the data and the best approach to convey any administration individual from agriculture department. Any issues about land, or seeds or farming gear or taking any credit for farming; the farm owners can straightforwardly contact with any worker of their division through this app. In this way, the farm owners will not need to go any offices routinely in regards to their farming issue and can save parcel of times and energy which they can put resources into their work and produce more and more food.

To make the farm owners life better and save them from their loses and having a solid agriculture area, we are making an app like 'Chasi' for our farmers, agriculture officer and the public authority agrarian department.

1.2 Motivation

We client who are not straightforwardly associated with agriculture portion not trouble how our food varieties are producing. However, some new issues like some compulsory food things cost being expanding past creative mind has make us to consider how our food are delivering or how our farmers are getting along. It says interest executes felines. The

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interest of farm owners life drove us to reality. Many farm owners are as yet utilizing the normal, worn out technique their old age educated them. However, the age changed just as changed a ton of things. These old technique doesn't work now. Likewise, the old technique was utilized to create nourishment for less individuals. Yet, populace expanded so it needs a ton of food at that point individuals can envision. Likewise, numerous new infections are finding which are assaulting the crops. The old treatment for crops doesn't work any longer. Presently, crops need to take to agriculture expert. In any case, some farmers are not acquainting with the agriculture expert. They don't have a clue how to distinguish the new side effects their crops telling and when and the best way to take it to an agriculture expert. Likewise, numerous farmers live in the profound provincial territory. It's difficult for them to take their crops to an agriculture expert on schedule. Then they lose their crops. Without crops it's difficult to do farming. Also, without crops' farm owners face an incredible lose. No farming crops implies no farming and no new food. It makes deficiency of food and the evaluating of the excess food increment that become difficult for client to purchase. These issues worked behind building up this app. On the off chance that we keep separated the food lack issue to the side, there is another issue. In light of less information on the farmers, we lost numerous crops in a year. Crops are just about as significant as person. Be that as it may, numerous farmers don't see how to visit any agriculture expert or if his crops really need to see an agriculture expert. This app makes the capacity for a farmer to contact with an agriculture expert in regards to his crops medical problem. Moreover. On the off chance that we see other outside nations which economy relies upon agriculture, they utilize many farming app to improve farming life. Like Japan, China, USA, New Zealand. These nations have a generally excellent farming framework and one of their experience is farming app which helps their farmer or farm owner. Thus, seeing these nations created farming and seeing the new food issues of our nation spur us to build up this 'Cashi' app for our farm owners. Then again, saving large number of homegrown creature lives is another factor which work behind building up this app.

1.3 Objectives

- Define new farming framework
- Recording data about farm owners who utilizes the app .

- Recording data about farm owners current terrains, farming hardware and crops.
- Recording data about farm owners homegrown crops ailment (past and present)
- Insuring the sound life and state of homegrown crops.
- Recording information about agriculture officer.
- Recording data about Bangladesh agriculture department' representative's
- Keeping record of how frequently a farm owner's contacts with an agriculture officer.
- Keeping records of the farm owners and the agriculture expert's gatherings.
- Keeping record of the farmers and the Bangladesh rural department' representative's gathering.
- Ensuring a superior, solid and created farming framework for the farmers.

1.4 Expected Outcome:

We accept individuals will get effective information to begin crops farming by utilizing our application.

In addition, the farmers can think about the farming and their precautionary measures from our application also.

- Beneficial to farm owners.
- Common individuals will be profited by this app.
- Agriculture officer meeting highlight will be given.

1.5 Project Management and Finance

We have tried to make our project helpful for the farmers 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 free for all people.

1.6 Report Layout:

Chapter 1: Introduction

There we have attempted to satisfy our objective and format brief is given beneath

Chapter 1 depicts Objective, Motivation, Expected Outcome, Project the board and money.

Chapter 2: Background

Chapter 2 basically contains Scope of the issues, related work, wordings, difficulties, and background investigation.

Chapter 3: Requirement Specifications

In chapter three we examine about our application's utilization case, information stream graph to show how our application functions from administrator to clients.

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 dialects and information base we utilized, including the testing carries out and it's outcome.

Chapter 6:

This chapter shows our likely arrangements with respect to this application and a general survey.

CHAPTER 2

BACKGROUND

2.1 Terminology:

Fundamentally, our nation is a Agricultural country and well known for its crops and animals farming. Adjacent to this in this period is innovation based time where smart phones are more accessible than any other time in recent memory. Thus, we chose to presented the farm owners and individuals intrigued by crops farming to think pretty much this in one spot.

This app gives farming, agriculture officer's data, arrangement of farming and client can without much of a stretch offer their issues and they can undoubtedly discover arrangement.

They can likewise get informed about new sickness and arrangement by offering their issues to photographs and recordings.

2.2 Background Analysis

The world is to internet now. The world has become a lot of created and better spot. All are associated with a major organization and all are working through internet. All the huge area are created and running with the assistance of web aside from one area. That is our agriculture area. Our agriculture area is still stay behind to all the new created program. Our farm owners are as yet utilizing the standard, worn out strategy their progenitors used to utilize. Be that as it may, those old technique are not working any longer. On the off chance that any of the old technique is working, it brings lose instead of coming in any assistance. Additionally, the old farming strategy are not competent to create huge ton of food varieties. Populace are expanding step by step. Furthermore, to keep up this huge populace, the country needs more and more food. However, farm owners can't ready to.

Likewise, the enormous piece of farming is crops. In any case, this significant piece of farming is ruined in thousands number in a year on account of wrong choices. These harms are difficult to recognize if an individual doesn't have appropriate information. Likewise, the side effects are not the same as common sickness. In this evolving world, everything needs certain information. What's more, it applies for farming too. Crops currently need to see agriculture expert in normal premise. Likewise, they need ordinary exam after the gathering seasons get throughout as this time, they go through a great deal of work pressure. Likewise, on account of the current climate and climate additionally changed in crops. A large portion of our farm owners are ignorant and have less education. Additionally, that they don't have appropriate information in farming. They are utilizing what they found in youth their precursors use. Hence, they are confronting gigantic lose each year just as losing their valuable crops. To forestall the misfortune and saving life, the farm owners need advance and creating farming framework.

To consider the state of our farm owners, we fall off with the 'Chasi' app thought. This app is plan by pondering our farm owner's present condition. To give them a development and better farming framework, we build up this app.

This app hold three element which consolidated the farmers, the agriculture officer and the Bangladesh agricultural department. The agriculture officer will assist the farmers with saving the existence of their valuable crops. The agriculture expert will guarantee every one of the farming crops have a solid crops and furthermore the farm owners lessen the deficiency of crops. Then again, agricultural department will deal with the wide range of various farming components like terrains, hardware, credits for farming and will give it straightforwardly with the farm owners. The extraordinary thing about this app is planned in Bangla is all the element are classified division premise. Along these lines, the farm owners will not need to go any far to search for an agriculture expert and any administration worker. He can find support in his own division.

Thus, considering the current circumstance of our farm owners life and our nation's farming framework, we build up this app to change the old farming framework to another create one and give a superior circumstance to our country spine.

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 livestock related, which is called 'Livestock Diary'

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 'Livestock Diary' App, which is similar to us.

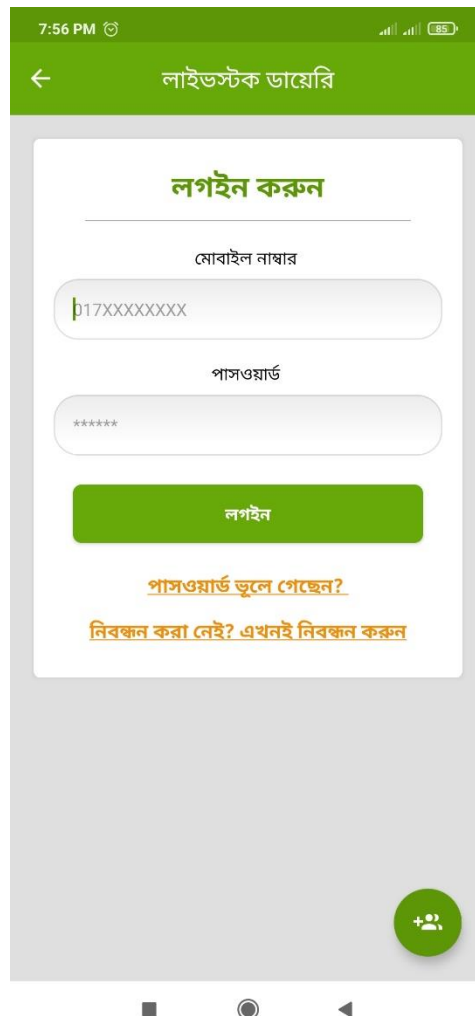


Figure 2.3.1: Login page/Home page

2.3.2. Information page

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

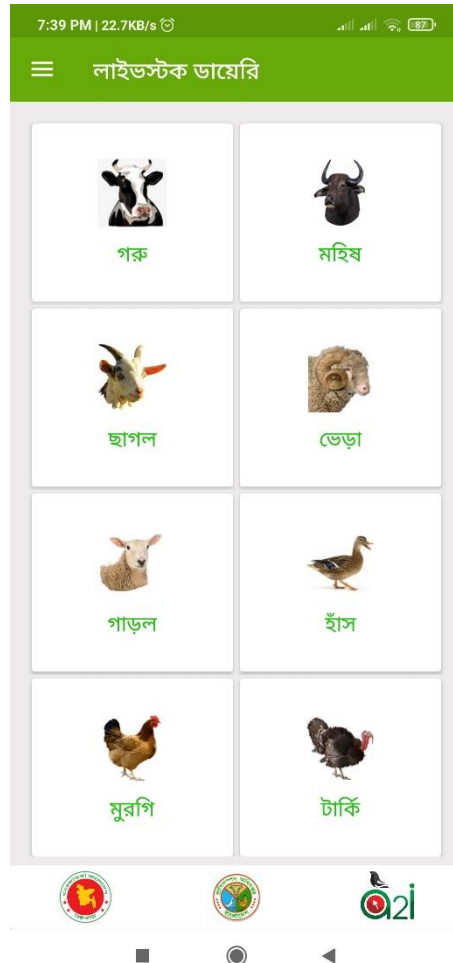


Figure 2.3.2: Information

2.4 Scope of the Project

The principle reason for this app is to acquaint our farm owner with the development farming framework and improve their farming life. Our app is plan in Bangla and has a simple method to measure. Anyone with an advanced mobile phone who needs to discover profit through farming can find support from our app. Farming is the foundation of our country. All things considered, it is the most lacking area in economy. Numerous youngsters currently consider beginning farming business however they face numerous hindrances in way with respect to lands, animals, seeds. Our app is associated with nearby

and locale agriculture department. In this way, the youngsters can contact with the any administration agricultural worker through the app and get help in regards to any farming issue. Additionally, the farm owners who endure misfortunes since they don't have any legitimate information about crops care can contact with agriculture expert without going to the agriculture office and save crops. Crops can be treated from home with the assistance of this app and the farm owner can forestall any sort of misfortunes and make sufficient benefit. Likewise, the farm owners can realize utilize advance farming to their farming framework to create increasingly more food with the assistance of this app.

In this way, the app will assist the new farmers with beginning farming while at the same time dealing with less issue just as to get crops without going agriculture office and the old farm owners to utilize new method in their farming framework.

2.5 Challenges

'Cashi' app is planned explicitly for the farmers and the agriculture officers. While planning this app, we visited some area of Bangladesh and chatted with greater part of the farmers and land owners. We visited every one of the farmers' home by and by and talk with them about their farming life, their method of farming and what boundaries they face while developing items. As a large portion of the farmers lives in exceptionally country territory and they are agreeable with their environmental factors however they are traditionalist and contemplative person with the outsider. Likewise, while living in the rustic territory, the vast majority of the farm owners are not perceived with advance farming framework. Thus, it was very hard from the outset to chat with them about their work and cause them to comprehend about advance farming and Chasi apps. It required a significant stretch of time to cause them to see how the apps functions and how they can be profited by it.

Then again, the app likewise works with agriculture officers. In the wake of meeting with the farmers, we went to meet the nearby agriculture expert and furthermore them who lives far however falls in same region. We conversed with them, enlightened them regarding our apps and the motivation behind the app. We examined how they can add to our app and make the app simple for our farmers and just as for them.

CHAPTER 3

REQUIERMENT SPECIFICATION

3.1 Business Process Modeling

Business process modeling is the graphical depiction of an association's business cycles or work processes, as a strategy for perceiving likely updates. This is typically done through various graphical model like flowchart, data-flow diagram etc..

Data-Flow Diagram (Level 0)

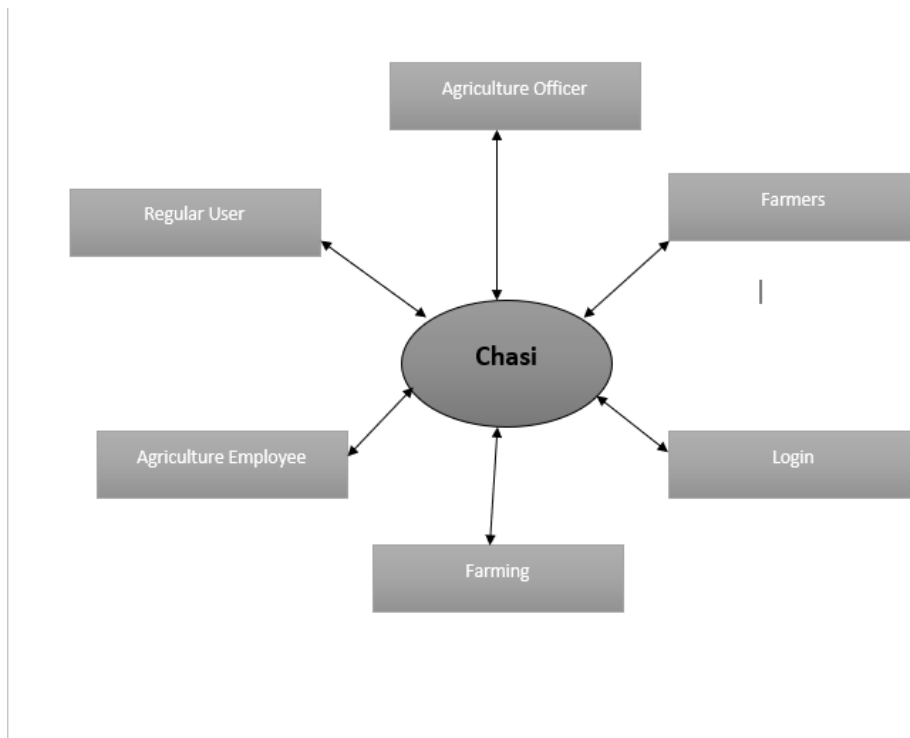


Figure 3.1: Data-Flow diagram (Level 0)

Data-Flow Diagram (Level 1)

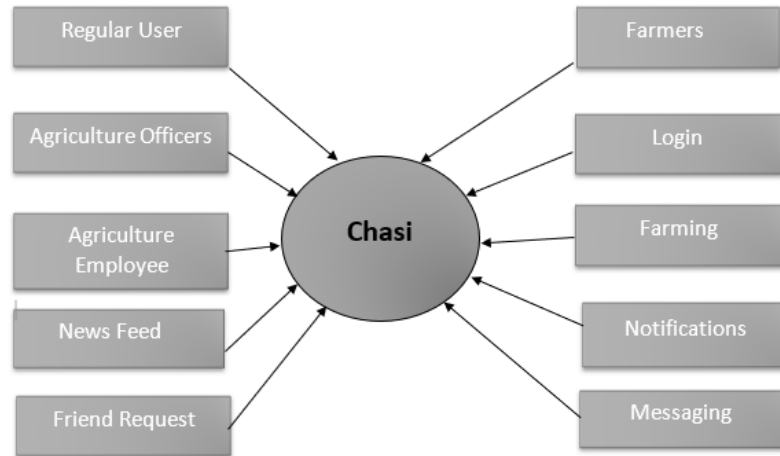


Figure 3.1: Data-Flow (Level 1)

3.2 Requirement collection and Analysis

There are numerous advantages of the app.

- Farmer can without much of a stretch think about farming crops.
- User can message another client.
- Farmer can compose their issues and another client can like and remark arrangement or help in the remark box.
- Farmer can undoubtedly discover farming cycle in our app.

Individuals can visit in another site or stage however our app is basically engaged for farmer so farmer can without much of a stretch contact with closest agriculture officer. In the event that any client needs to contact with government representatives, client can discover their Emails, Cell number and Designation in our app. Also, client can contact with the public authority representatives by call and by email.

The agriculture officer and Farmer relationship is critical to the demonstration of cultivation measure and is an essential for the transport of incredible assistance in the finding and cultivation of crops. The expert constant relationship constructions of the foundations of the contemporary agricultural ethics.

Requirement

- Android studio 4.1.0.0 for develop project
- Programing language Java
- Android device or phones for testing
- MySQL database

3.3 Use case modeling and Description

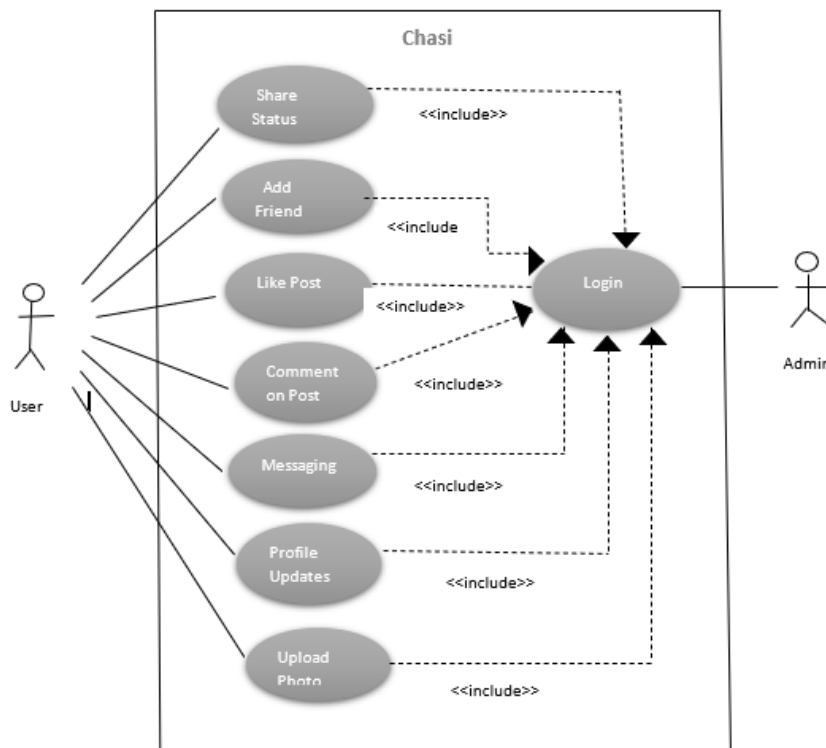


Figure 3.3: Use Case diagram

3.4 Logical Data Model

Entity-Relationship Diagram

Entity-Relationship Diagram moreover is known as ERD is such a fundamental chart for use in informational collection plan. An ERD contains different pictures and connectors that photos the association between components. ERD layout is valuable to portray how components, for instance, people, articles or thoughts relate to each other inside a system.

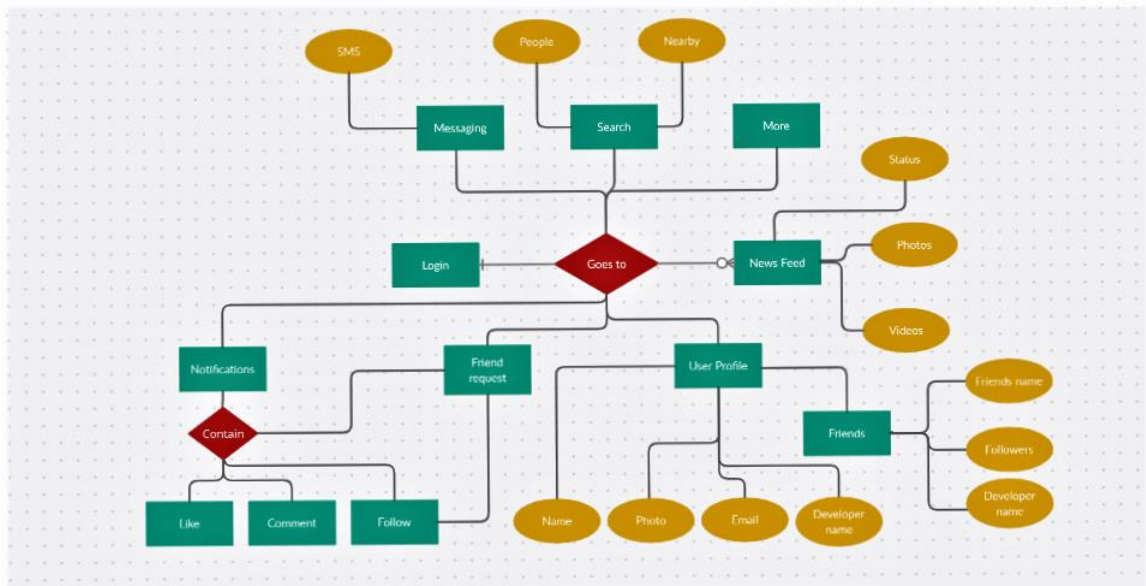


Figure 3.4: ERD Diagram

CHAPTER 4

DESIGN

4.1 Front-end Design

As client first shows first look of plan. It is vital to have pleasant, clean intelligent front-end design. Front-end design of our app comprises the accompanying highlights.

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 Chasi App. For login you have to provide your registered email address and password for access.

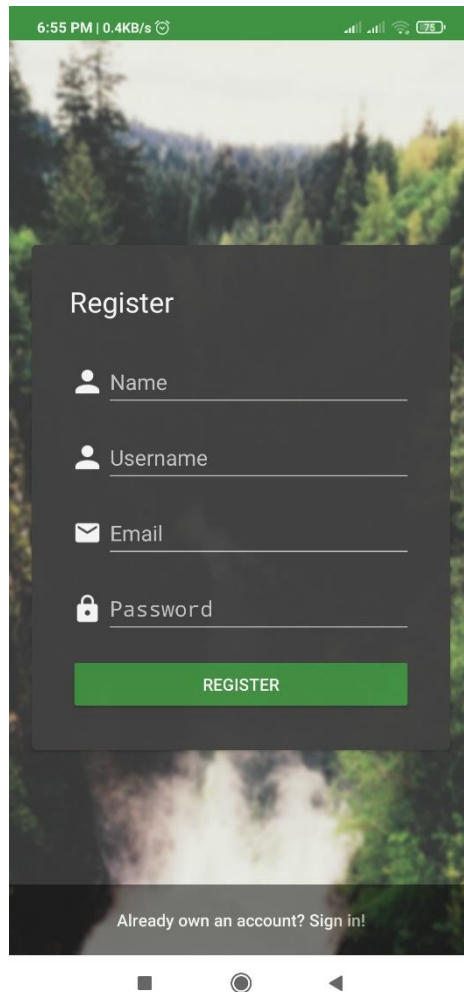


Figure 4.1: Registration

4.1.2 Profile

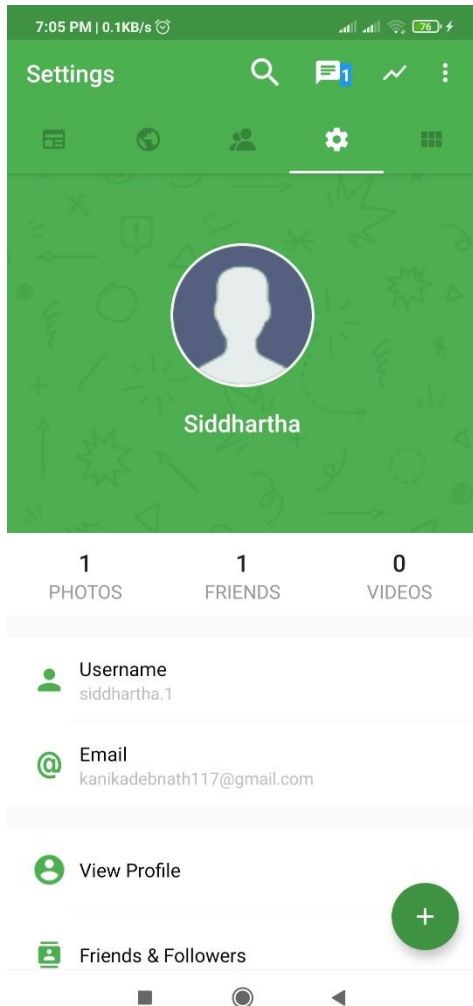


Figure 4.1.2: Profile

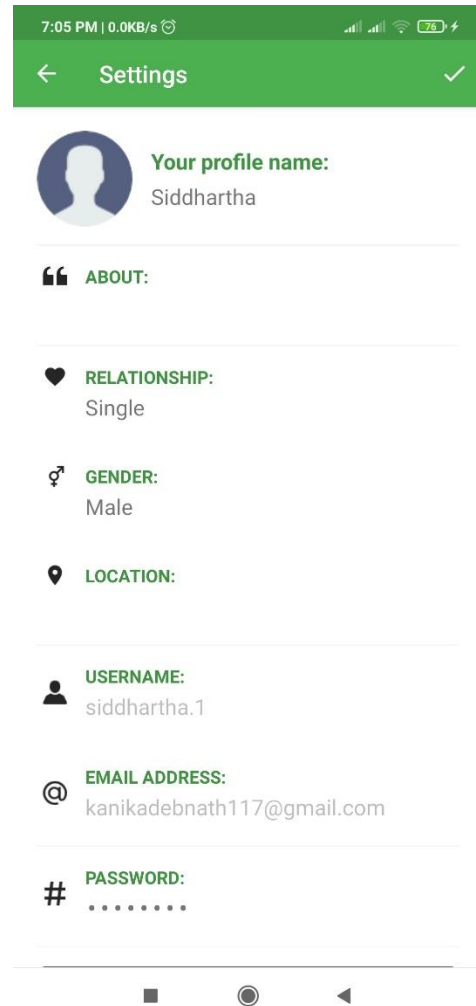


Figure 4.1.2: Account

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 content photographs and recordings. We know our Chasi app is intended for chiefly for farmers. Numerous individuals endure numerous issues like doesn't know develop jute. They can't discover any answer for correspondence issues. Be that as it may, when a client gives a photograph and text to explicit issues, at that point clients everything companions can see the situation with clients and assuming anybody discover the arrangement, he can help the client. And everything companions can like status and furthermore, they can remark in the status.

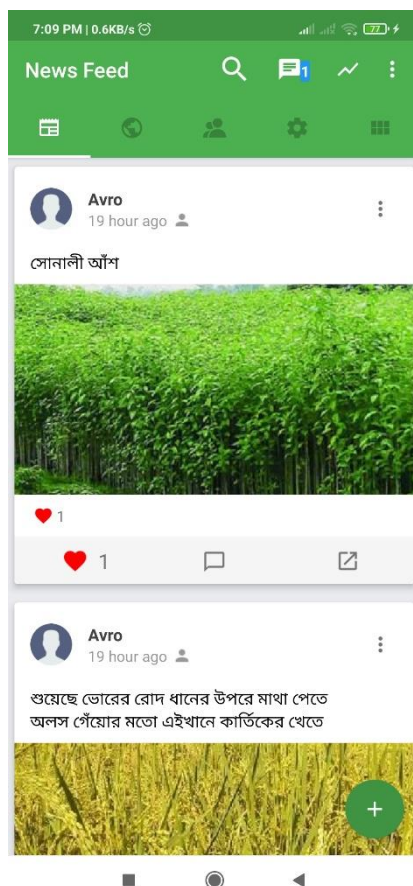


Figure 4.1.3: News Feed



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.

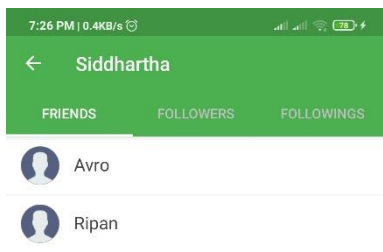


Figure 4.1.4: Friends

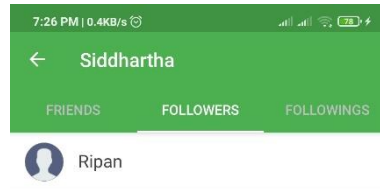


Figure 4.1.4: Followers

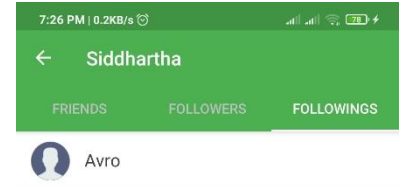


Figure 4.1.4: Followings

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 Chasi app here is a valuable highlights for clients. That is Messaging. At the point when a client need contact another client or his companions, they can without much of a stretch contact utilizing our app. What's more, another component is Notifications. At the point when your companion like your status or photographs, you will be advised, as well as when any client follows you or need to make companion and when any companion remark in your status or photographs, at that point you will likewise be told.

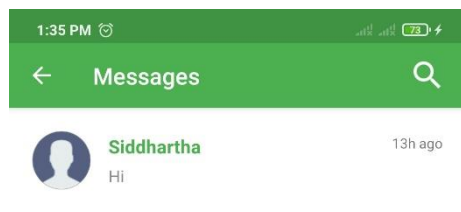


Figure 4.1.5: Messaging

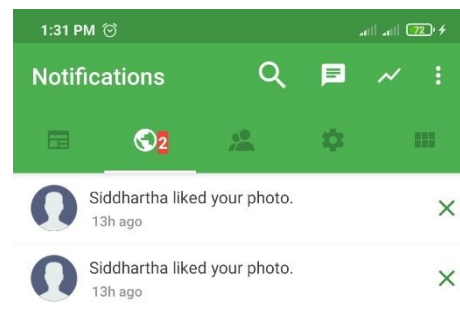


Figure 4.1.5: Notifications

4.1.6 Menu Bar

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

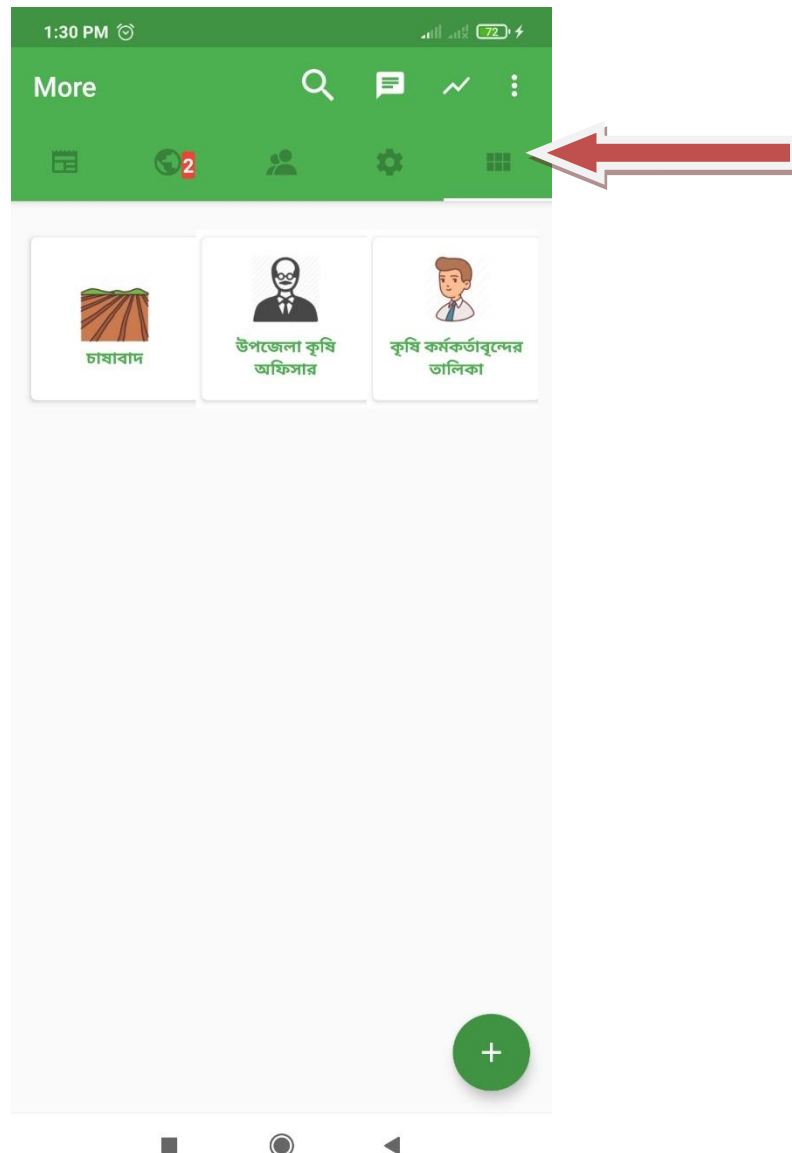


Figure 4.1.6: More

Agriculture officer

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

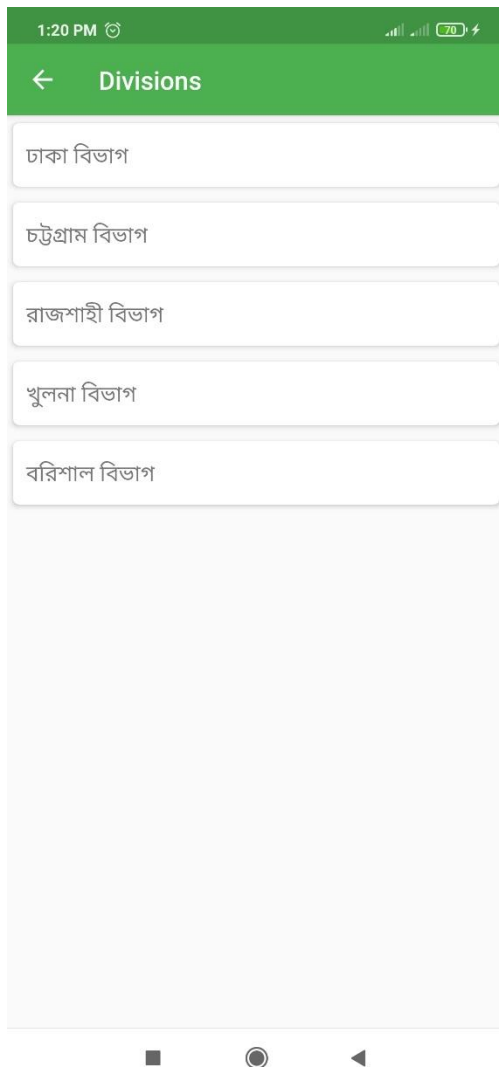


Figure 4.1.6: Division



Figure 4.1.6: Agriculture officer

Farming

Another important option is this. Here is many **Crops Name** and its **farming process**.



Figure 4.1.6: Crops

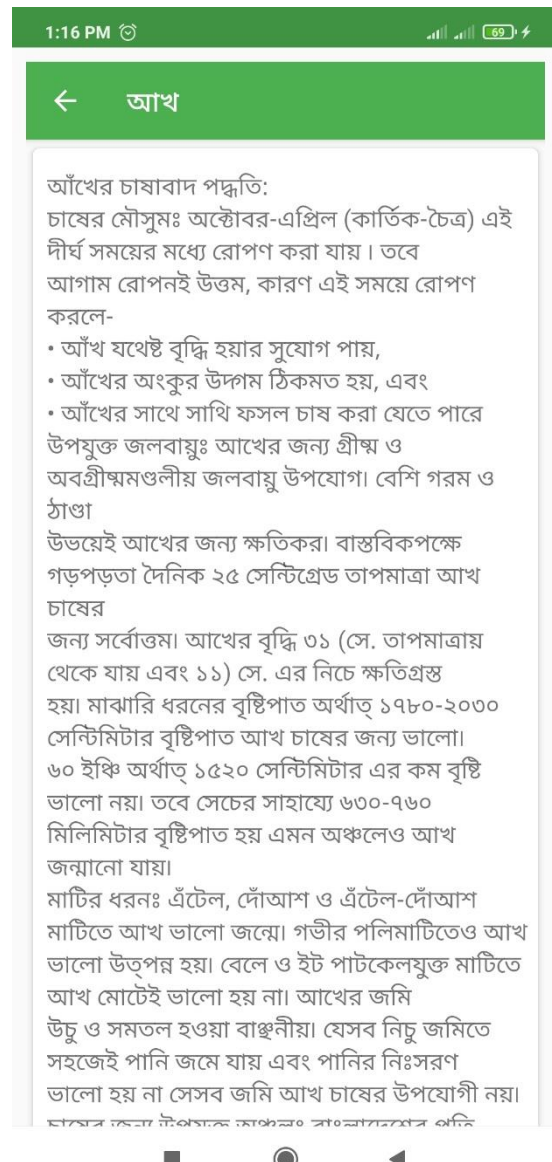


Figure 4.1.6: Farming

Agriculture Employees Name

In menu bar option 3rd number option is Agriculture 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.

Khamar Employees	
নাম	মোঃ আসাদুল্লাহ
পদবি	মহাপরিচালক
আইডি নম্বর	১২৬২
মোবাইল	০১৭০০৭১৫০০০
অফিস	কৃষি সম্প্রসারণ অধিদপ্তর
নাম	কআরিফ মোহাম্মদ মোজাক্কের
পদবি	অতিরিক্ত উপপরিচালক (পিএস টু ডিভি)
আইডি নম্বর	২৫৮৯
মোবাইল	০১৭০০৭১৫১০১
অফিস	মহাপরিচালকের দপ্তর
নাম	কএ কে এম মনিরুল আলম
পদবি	পরিচালক
আইডি নম্বর	১২৮৩
মোবাইল	০১৭০০৭১৫২০০
অফিস	সরেজমিন উইং
নাম	নিরুত্তম কুমার সরকার
পদবি	অতিরিক্ত পরিচালক (উপকরণ)
আইডি নম্বর	১৪০৮
মোবাইল	০১৭১৫০৮৩১০৯
অফিস	সরেজমিন উইং
নাম	কমো: আব্দুল মজিদ

Figure 4.1.6: Employees

Khamar Employees	
নাম	ড. সৈয়দ মোঃ রফিকুল আমিন
পদবি	উপপরিচালক (সার ব্যবস্থাপনা)
আইডি নম্বর	১৫৮৩
মোবাইল	০১৭৩১৩০০৩৮৭
অফিস	সরেজমিন উইং
নাম	ড. সুরজিত সাহা রায়
পদবি	উপপরিচালক (বীজ ও অন্যান্য উপকরণ)
আইডি নম্বর	১৬৬৬
মোবাইল	০১৭০০৭১৫২০৭
অফিস	সরেজমিন উইং
নাম	খন্দকার মু. রাশেদ ইফতেখার
পদবি	অতিরিক্ত উপপরিচালক (কন্ট্রোল রুম)
আইডি নম্বর	২৪৩৩
মোবাইল	০১৭০০৭১৫২১১
অফিস	সরেজমিন উইং
নাম	কাজী আব্দুল মান্নান
পদবি	পরিচালক
আইডি নম্বর	১২৯৫
মোবাইল	০১৭০০৭১৫১০০
অফিস	প্রশাসন ও অর্থ উইং
নাম	মোহাম্মদ আনোয়ার হোসেন

Figure 4.1.6: Employees

4.1.7 About

Here user can see the developers of the app.

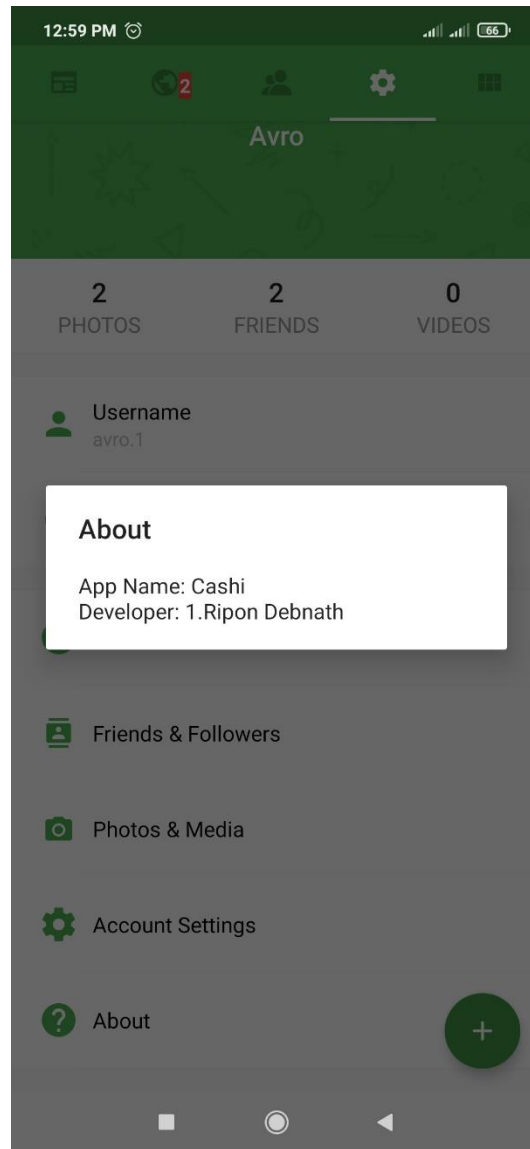


Figure 4.1.7: Developers Name

4.2 Back-end Design

Improvement at the back end is the establishment of any usage. Without capable and amazing back-end improvement, clients can't have dumbfounding application experience. We utilized Realtime data set and disconnected data set for smooth client experience. We utilized MySQL data set to store disconnected gadget application information and online client data. We store all data of client in a remarkable 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

There are various kinds of segments and programming language which are implement to execute the task. Here I have used

- PHP
- jQuery
- JavaScript
- HTML
- CSS

- Database: MySQL
- Markup Language: XML
- IDE: Android studio 4.1.0.0
- Hardware: Android supported phone and emulator.

CHAPTER 5

IMPLEMENTATION AND TESTING

5.1 Implementation of Database

The database has a huge load of tables and various relations. People Email is used as the fundamental key. As the email ought to be surprising so there will not be any contention between any two people on the database.

MySQL workbench was used to design most piece of the database. This apparatus is wonderful Graphical User Interface to assist people with manufacturing their database organization system (DBMS) is a PC programing application that speaks with the clients, various applications, and the actual database to get and take apart data. An all around valuable DBMS is proposed to allow the definition, creation, addressing, update, and association of database. A database isn't generally flexible across different DBMS, yet interesting DBMS can interoperate by using standards, for instance, SQL and ODBC or JDBC to allow a single application to work with more than one DBMS. Database organization structures are routinely portrayed by the informational index model that they maintain the most notable informational index systems since the 1980s have all maintained the social model as addressed by the SQL language. On occasion a DBMS is approximately insinuated as a database.

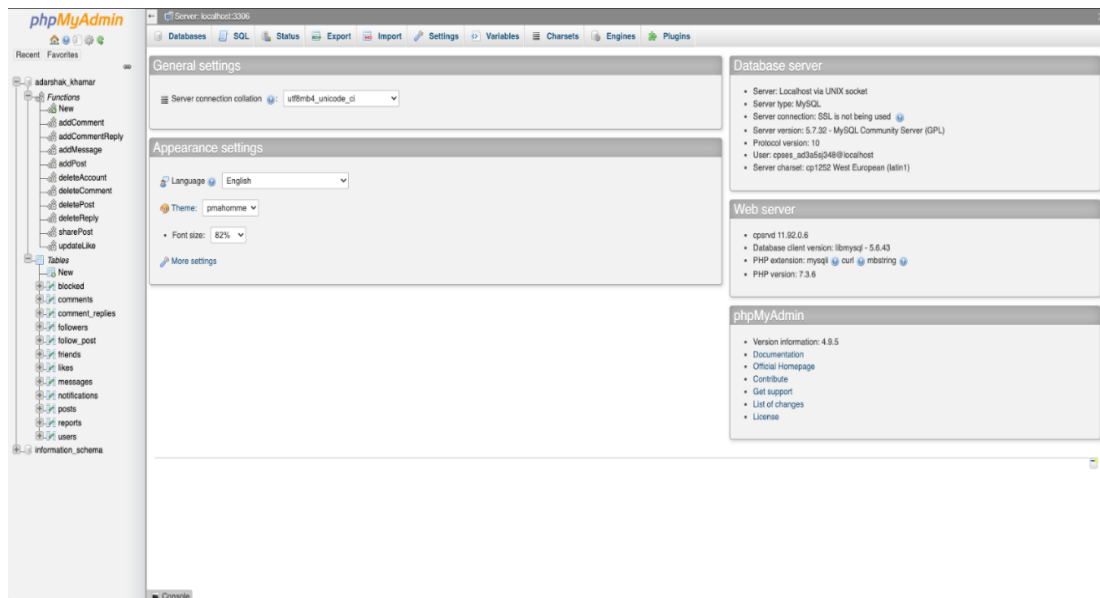


Figure 5.1: Database

5.2 Implementation of front-end design

In our Chasi app we use html, CSS, PHP for administrator panel. Also, our app improvement we use Java language and for plan we use xml. For systems administration we are utilized retrofit library. App works with rest API.

The JSON information is brought through the app and the information is appeared by parsing JSON in the app.

There are agriculture officer's interface, side effects and arrangement interface, informing and warning interface, and primary piece of our app is news channel interface. That is vital for farm owners to share their issues and photographs. Furthermore, another interface is friends, followings and followers.

5.3 Testing Implementation:

We made a google form and took worker from different individuals of various ages and classes and afterward carried out the fundamental data of our application with respect to domesticated crops farming.

We have been tried this app and got criticism from our friends. We have been tried in various android phones like Lg, Samsung, Sony, Motorola and Lenovo. Also, there was distinctive android variant.

5.4 Test results and reports:

By our review we became more acquainted with that individuals are truly intrigued by crops farming uniquely the business people nowadays. In addition, individuals who're as of now claiming crops farms recommends us to add various alternatives in our application. Our gadget testing result was pleasant.

The agriculture officer and Farmer relationship is critical to the demonstration of farming cycle. The expert persevering relationship designs of the foundations of the contemporary clinical ethics.

CHAPTER 6

IMPACT ON SOCIETY

6.1 Impact on society

Innovation is currently totally weaved with the entirety of our lives. What's more, we can't move a day without our phones. These days cell phones are a section on our lives. Our app is for the most part made for farm owner. Also, other hand any average citizens can without much of a stretch utilize this app. Along these lines, this app emphatically affects society. Our population is growing up ,so for this reason we need more food for this society. So this app will help to people to encouraging farming. If they have faced any problems ,they can share their problem through this app and they will solve it easily and if they want to something about farming they can know it by this application. So it will be a user friendly application .We are not making no antagonism through this app. This app will be useful for all times of individuals and all kinds of people will be benefited. Farm owners can without much of a stretch discover any issues and arrangement by this app and this a easy way to learning farming. Furthermore, they can without much of a stretch contact with specialist for treatment and any assistance. Client can visit with their friends by this app.

Thus, sway on society about this app is extremely sure.

6.2 Impact on environment

Our venture is predominantly programming based not equipment based. Thus, this won't destructive for environment. We made this task for online correspondence, so this isn't destructive for environment.

6.3 Ethical Aspects

As compact application organizers, we should make persuading and attracting flexible applications that keep people returning. We need people to adore our applications. In light of everything, the accomplishment of our convenient application design is by and large assessed in responsibility, number of downloads, and time spent in the application. If they love our latest application, they'll use it frequently and educate each one regarding their mates concerning the sum they use it.

Security, precision, property, accessibility, and ramifications for individual fulfillment, are by and large gives that ought to be considered in making and passing on portable programming systems. Picking a particular method to manage structure improvement can either upset or urge keeping an eye on these issues in an ethical manner.

CHAPTER 7

CONCLUSION AND FUTURE SCOPE

7.1 Discussion and Conclusion:

It is reasoned that this application framework gives easy to use climate to the ignorant farmer of Bangladesh as System give data in nearby language. It's given develop crops, cultivation data just activity Android Phone Keypad. Farmers can get to data 24X7 from anyplace, subsequently voyaging time and holding up time in line to get to Chasi will be save. Framework is exceptionally savvy as it is unreservedly accessible, so the arrangement cost of Chasi is completely dispensed with.

Today cell phones are utilized as often as possible by everybody, including the farmers and wide open individuals. The conventional strategies utilized by the farmers, curiously in Bangladesh, are moderate and erratic. The huge measure of crops is getting harm in the field because of the absence of data assets. This will viably assist farmers with selling their item in worldwide market and procure exceptional benefit. Cell phones can assume an indispensable part in communicating data to farmers. Numerous portable applications are being created by remembering the farm owners. Every one of the applications outlined in the paper are created by remembering some particular reason and give the functionalities to the equivalent. The capacities are different going from creature data, market rates, and day by day agriculture news. However, just few had the option to catch every one of the necessities of a farmer in its entirety a few applications were just in their testing stage, while some were not dynamic. At long last, with the examination of current farm owners information about present day farming procedures and real advancement of present day methods this application will more supportive them to get all sort of data just in one touch on any time at any spot. There are numerous advantages of the app.

7.2 Scope for further Development:

- google map will be added in agriculture officer's information therefore we find agriculture officer easily.
- All agriculture officer's information will be added.
- Friends suggestions will be added where we can add friends properly.
- We will store all kinds of crops and vegetables information.
- We will start our helpline where agriculture officers will be connected and they help their client easily.
- Weather will be added.
- Implementing this application in iOS stage as an iPhone App is one of the significant contemplations as we have numerous iPhone clients.

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