

**PROJECT REPORT  
ON  
AGROCARE**

**Agriculture Management App**

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# **1. Introduction**

- 1.1 College Profile
- 1.2 Projectdescription
- 1.3 ProjectProfile

## 1.1 College Profile

Prof. V. B. Shah Institute of Management, R. V. Patel College of Commerce (English Medium), V. L. Shah College of Commerce (Gujarati Medium) & **Sutex Bank College of Computer Applications & Science** are Self - Financed colleges affiliated to the Veer Narmad South Gujarat University, Surat. Prof. V. B. Shah Institute was started in the year 1998 with a view to churn out management professionals. A progressive academic record has been maintained in this regard. The R. V. Patel College of Commerce which was started in the year 2001 offers the B.Com. degree programme in English Medium whereas the V. L. Shah college of Commerce started in the year 2006 offers the B.Com. degree programme in Gujarati Medium. **Sutex Bank College of Computer Applications & Science** started in the year 2000 offers the B.C.A. degree programme, with the onset of the 21st century, there has been tremendous advancement in science and technology.



The entire academic year is replete with academic, extra & co-curricular activities, sporting events, guest lectures, Industrial Visit, Educational tour, seminars and workshops. A significant goodwill has been created by the institute among its stakeholders.

The institute is proud to have a qualified, competent and an industrious staff. They assist the students in unleashing their talents and exhibiting their skills. The perspective institutional plan is collectively chalked out by the I/c Principal, members of the managing trust (Jivan Jyot Trust,

Amroli), the faculty members as well as the administrative staff. Industrial visits and practical tasks help the students a great deal in supplementing their learning. Students are also given ample of scope to sharpen their entrepreneurial skills. The institute takes pride in stating that it focuses on the optimal use of resources available and takes all the measures for quality enhancement and quality sustenance.

## 1.2 Project description

Welcome to AgroCare, the groundbreaking Android application designed to revolutionize farming practices and empower farmers across rural India. AgroCare encompasses a wide array of features tailored to meet the diverse needs of the agricultural community, providing a comprehensive platform for networking, resource access, and knowledge sharing.

At its core, AgroCare fosters a vibrant community of farmers through its networking capabilities. Users can post updates, seek advice, and engage with fellow members, facilitating collaboration and collective problem-solving. With features such as likes, comments, shares, and saves, users can interact with posts in a dynamic and meaningful way, enriching the agricultural discourse.

In addressing the crucial aspect of labor management, AgroCare allows farmers to publish vacancies for agricultural work, connecting them with potential laborers seeking employment opportunities. Through direct contact via WhatsApp or phone calls, the platform streamlines the process of recruitment, ensuring efficient workforce allocation and task delegation.

Facilitating trade within the agricultural community, AgroCare serves as a marketplace for a variety of products and services. From domestic animals to cultivation products and tools, users can showcase their offerings and connect with interested buyers, facilitating seamless transactions and fostering economic growth.

Keeping users informed and empowered, AgroCare aggregates essential weather information based on the user's location. This feature equips farmers with timely insights into weather patterns, enabling them to make informed decisions regarding crop management and agricultural practices.

In addition to weather updates, AgroCare provides users with access to news and government schemes related to farming. Administrators regularly publish relevant information, ensuring that users stay informed about the latest developments in agriculture and have access to beneficial government initiatives.

AgroCare also harnesses the power of artificial intelligence to provide personalized consulting services to farmers. Whether it's disease

management, farming techniques, or crop optimization, our AI guide offers valuable insights and recommendations, empowering users to enhance their agricultural productivity and efficiency.

Recognizing the linguistic diversity of rural India, AgroCare is available in 12 regional languages, ensuring accessibility and inclusivity for all users. This multilingual approach enables farmers from diverse backgrounds to access the platform and benefit from its features seamlessly.

In addition to its core functionalities, AgroCare offers a streamlined marketplace for agricultural products. Administrators can publish a wide range of farming-related items such as seeds, plants, and pesticides directly within the app. Users can browse these products, add them to their cart, and place orders with the option for both cash on delivery and online payment methods. This seamless ordering process ensures convenience for farmers while facilitating access to essential supplies for their agricultural endeavors. Moreover, users have the ability to view their order history, enabling them to track past purchases and plan future procurement needs efficiently. Administrators also benefit from access to date-wise order records, providing them with valuable insights into user preferences and transaction trends for effective management and planning.

For administrators, AgroCare offers comprehensive oversight and management tools, including access to user data and visual statistics. Administrators can monitor platform performance, make informed decisions, and ensure the smooth operation of the application.

In essence, AgroCare is more than just an app; it's a transformative tool that empowers farmers, fosters collaboration, and drives sustainable growth in India's agricultural sector. Join us as we embark on this journey to revolutionize farming practices and improve livelihoods with AgroCare.

### 1.3 Project Profile

Agriculture Management System	
<b>Project title:</b>	Agriculture Management System
<b>Project Label:</b>	AgroCare
<b>Package Name:</b>	com.project.agriculturemanagmentapp
<b>Frontend:</b>	Extensive Markup Language
<b>Backend:</b>	Java, Firebase
<b>Operating system:</b>	Android
<b>Platform:</b>	Android studio, firebase console
<b>Documentation tool:</b>	Microsoft word,Draw.io
<b>APK Size:</b>	29.6 MB (3,10,74,014 bytes)
<b>Target SDK Version:</b>	33
<b>Minimum SDK Version:</b>	26
<b>Android Gradle Plugin Version:</b>	8.0.2
<b>Project Duration:</b>	4 months
<b>Api Keys:</b>	c19c16e82898cc7627f4e02e485861de
<b>Api Providers:</b>	Openweathermap.org
<b>Internal Guide:</b>	Asst. Prof. Ragini. B. Prasad
<b>Submitted to:</b>	Sutex Bank College of Computer Applications & Science.

## **2. Environment Description**

2.1 Hardware and Software Requirements

2.2 Technologies Used

**2.1 HARDWARE AND SOFTWARE REQUIREMENT**

## ❖ SOFTWARE REQUIREMENT

<b>OperatingSystem</b>	<b>Android OS</b>
<b>Software</b>	<b>Android Studio</b>
<b>FrontEnd</b>	<b>Extensive Markup Language</b>
<b>BackEnd</b>	<b>Java</b>
<b>Browser</b>	<b>GoogleChrome, Brave, Microsoft Edge</b>
<b>Database</b>	<b>Firebase Database</b>

## ❖ HARDWARE REQUIREMENT

<b>Processor</b>	<b>2Ghz Processor.</b>
<b>RAM</b>	<b>2GB</b>
<b>MemoryStorage</b>	<b>512MB</b>

## 2.2 Technology Used

## ❖ Introduction to Android

Android, since its inception in 2008, has revolutionized the mobile landscape with its open-source nature, Linux kernel foundation, and focus on touchscreen interaction. Its popularity stems from a robust ecosystem fueled by collaboration and innovation among developers worldwide. Key features such as customizable UI, seamless Google integration, a vast app ecosystem via the Play Store, and adaptable hardware compatibility have contributed to its widespread adoption. Furthermore, Android prioritizes user security with features like app sandboxing and regular security updates, ensuring a safe and reliable user experience across devices.

## ❖ Java in Android Development

Java plays a pivotal role in Android development, serving as the primary language for building apps that interact with the Android SDK. Its object-oriented nature aligns well with Android's architecture, facilitating code organization and maintenance. Developers leverage Java for UI development, event handling, data management, concurrency, and multithreading, utilizing its extensive ecosystem of third-party libraries for additional functionality. Java's versatility empowers developers to create high-quality, feature-rich apps for the Android platform, driving innovation and user engagement.

## ❖ Firebase Database in Android Development

Firebase Database, a cloud-hosted NoSQL database, offers real-time data synchronization and offline capabilities, making it a preferred choice for Android developers. Its NoSQL structure allows for flexible data storage without predefined schemas, while offline persistence ensures a seamless user experience even without an internet connection. Security rules enable granular access control, while seamless integration with other Firebase services enhances app functionality. Scalability, performance, easy setup, and management further solidify Firebase Database as a valuable tool for Android app development.

## ❖ XML in Android Development

XML serves as the backbone of Android UI development, providing a declarative syntax for defining UI layouts and structures. With XML, developers can efficiently manage resources, customize UI elements, and support various screen sizes and orientations. Data binding enables seamless communication between the UI layer and application logic, while Android Studio's visual editor allows for real-time preview and visualization of XML layouts. Together, these features empower developers to design intuitive and visually appealing user interfaces for Android applications, driving user engagement and satisfaction.

### **3. System Analysis and Planning**

- 3.1 Existing System and its Drawbacks
- 3.2 Feasibility Study
- 3.3 Requirement Gathering and Analysis

#### **3.1 EXISTING SYSTEM AND ITS DRAWBACKS**

## ❖ Existing system

- ✓ In the existing system customer has to use different application for different purpose, which makes it very complex to get different kind of services. Most of the existing systems are tailored to local community and those which are nation wide lack in providing services which farmers need as most of them will only provide networking facility. System which provides basic services lacks other functionality.
- ✓ Moreover, there are so limited platform which provides farming labour and wages management. In short, existing system provides only limited functionality so user have to keep multiple app installed in their mobile which is headache for them. Furthermore, due to this all the user looking for different service will log in to only specific system which devide community of farmers. But what if all this farmers come on single system?

## ❖ Drawbacks

1. Limited Networking Features: Some existing systems may lack comprehensive networking features, such as real-time chat functionality and interactive post engagement options, limiting user interaction and engagement within the farming community.
2. Ineffective Labor Management: Certain systems may offer limited capabilities for farmers to publish labor vacancies and for users to find and contact job listings efficiently, leading to challenges in workforce allocation and recruitment.
3. Absence of Payment Tracking: Many systems may not provide users with the ability to track payments to laborers, resulting in a lack of transparency and accountability in financial transactions within the agricultural sector.

4. Poor Product Visibility: Some platforms may not adequately showcase users' agricultural products, tools, and accessories for sale, hindering their ability to reach potential buyers and limiting market access.
5. Limited Product Catalog: Certain systems may have a restricted product catalog for farming-related products, with fewer options available for users to explore and purchase essential supplies and equipment.
6. Insufficient Information on News and Government Schemes: Some platforms may not offer comprehensive coverage of news and government schemes related to farming, leaving users uninformed about important developments and opportunities in the agricultural sector.
7. Inaccurate Weather Information: Existing systems may provide weather information that is not precise or tailored to the user's current location, leading to potential inaccuracies in agricultural planning and decision-making.
8. Lack of AI Guidance: Many systems may lack AI-powered guidance and consulting services for farmers, depriving users of valuable insights and recommendations on disease management and farming practices.
9. Limited Language Support: Some platforms may not offer multilingual support for users from diverse linguistic backgrounds, excluding non-English speaking users from accessing essential features and information.

## 3.2 FEASIBILITY STUDY

The measure of how beneficial or practical the development of the informant system will be to an organization. Along this topic, feasibility is measured. So far taking the feasibility study and feasibility analysis during the development of the AgrocareSystem we have studied the following four major categories of a feasibility study.

- 1) Operational Feasibility
- 2) Technical Feasibility
- 3) Schedule Feasibility
- 4) Economic Feasibility

### **Operational Feasibility:**

AgroCare demonstrates high operational feasibility due to its user-friendly interface and seamless integration of features catering to the diverse needs of the agricultural community. The networking capabilities, labor management tools, marketplace functionality, and access to essential information all contribute to enhancing the operational efficiency of farmers. Additionally, the multilingual support ensures accessibility for users from various linguistic backgrounds, further enhancing the operational feasibility of the app.

### **Technical Feasibility:**

The technical feasibility of AgroCare is robust, supported by its utilization of Java programming language, Firebase for backend infrastructure, and integration of free AI services. These technologies enable the smooth functioning of the app, facilitating features such as real-time networking, payment tracking, weather aggregation, and personalized consulting through AI. Furthermore, leveraging GitHub ensures version control and collaborative development, enhancing the technical viability of the project.

### **Schedule Feasibility:**

AgroCare demonstrates strong schedule feasibility, as evidenced by the successful integration of its diverse features within a reasonable development timeframe. The efficient utilization of Firebase and free AI services expedites development, while the use of Java ensures compatibility with Android devices. Moreover, leveraging GitHub for version control streamlines the development process, allowing for timely updates and enhancements to meet project milestones and deadlines effectively.

### **Economic Feasibility:**

From an economic standpoint, AgroCare offers significant value to its users while maintaining cost-effectiveness in its development and operation. Utilizing free AI services and open-source technologies such as Firebase and GitHub helps minimize development costs. Furthermore, the potential for revenue generation through marketplace transactions and premium features ensures long-term sustainability and profitability.

### 3.3 Requirement Gathering and Analysis

The choice of method is influenced by the data collection strategy, the type of variable, the accuracy required, the collection point, and the skill of the enumerator. Links between a variable, its source, and practical methods for its collection can help in choosing appropriate methods. The choice of the many methods for collecting data will depend on the variable to be measured, the source, and the resources available. In many cases, there is a natural way to collect particular variables.

- Conduct a brainstorming session
- Work in the target environment
- Document Analysis
- Interview
- Registration
- Observation
- Survey/Questionnaire etc.

For our system, we use observation and an Interview technique for requirement gathering to design system functionalities and made it easy to develop the system and achieved the desired goal.

- We visit many online Farming apps like Krishify, Agrostar, etc, and we see the functionality as a user of those apps and how they provide facilities to the customer for providing farming help and assistant online.
- For Manage Farming, we visit the different apps and talk with the app's owner, and know the functionalities regarding managing data and making app with much more efficient in data handling ,widespread community support, wide range of products and information etc...
- Using this requirement, we analyse data and decide to follow the modules used.
  - 1) User (Farmer)
  - 2) Admin

## **4. Proposed System**

- 4.1 Scope**
- 4.2 Project modules**
- 4.3 Expected Advantages**

## 4.1 Scope

The main objective of Agrocare is to enable farmer with one stop solution for their needs. The system allows farmers to fulfil their need of any goods, labours, information online. Farmers can sell their product online without need of personalized store. Moreover, networking is in the heart of this system which allow farmers to build their own nation-wide community.

### **The Scope For the system can be as follow:**

- It contains a user-friendly layout & easy to understand for every user and admin.
- Provide all need of networking which involves feed, response to feed, real-time chatting, followers concept for priority of feed.
- Enable Recruiter farmer to post vacancy and job-seeker labour to find work.
- Allow user to maintain their payment of wages to labours, eliminating the need of keeping records in diaries.
- Farmers can sell their cultivation products, domestic animal, cultivation tools-products to all over nation without need of setting personalized store.
- E-commerce store allow farmer to buy all their need of farming like pesticides, seed, fertilizer and so on online.
- Information about weather animation allow farmers to take decision about farming.
- News and government data makes farmers politically active and allow farmer to take benefit from every scheme.
- Queries related to farming will be solved quickly with the A.I. assistant.
- Allow admin to manage user data and publish data.

## 4.2 Project Module

➤ There are three system components in our system.

1. User
2. Admin

### 1) User

- User can post feed, response to other user's feed, chat with other users feed and follow another user.
- User can post vacancies and also view other vacancies of co-user, one can contact to recruiter by WhatsApp or direct call.
- User can publish their cultivation product, domestic animal and other tools and accessories for sell. Moreover, user can also contact other user through WhatsApp and call if he/she is interested in his/her item.
- User can maintain payment of wages to labour.
- User can buy all needed products from ecommerce store.
- User can obtain information related to weather based on their location.
- User can watch out latest news and government scheme.
- User can consult A.I. chat bot for all their queries.

### 2) Admin

- Admin will manage data of all user; admin has power to remove any data of any user.
- Admin can publish news and government scheme which then shown to user.
- Admin manages ecommerce store by listing new products and processing all the orders.
- Existing admin can add new admin of system.

### ❖ Module Wise Objective

 **User**

- Login
- OTP Verification
- Manage Feed
- Manage Vacancy
- Manage Resell data
- Manage labour data
- Chat with users
- Ecommerce Order
- Online Payment
- Chat with A.I.
- View Weather Data
- View News
- Get government scheme
- Update/Complete Profile

 **Admin**

- Login
- OTP verification
- Manage User Data
- Publish News
- Publish Government Scheme
- List Ecommerce Product
- Add Admin
- View Orders
- View Statistics

## 4.3 Expected Advantages

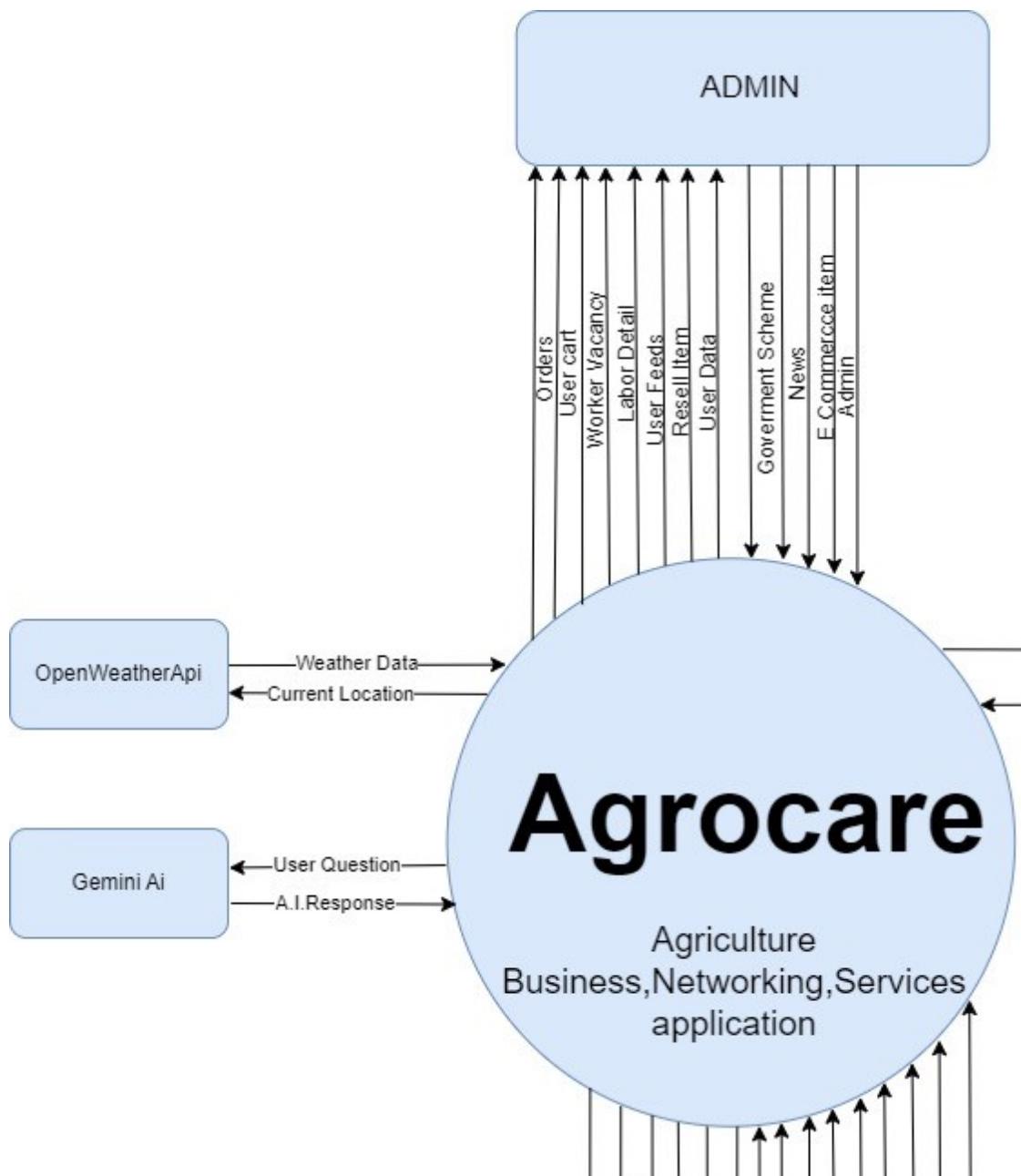
- ✓ **Ease of Communication:** Users can easily connect and communicate with fellow farmers, share insights, and seek advice through the networking feature. The real-time chat functionality enhances collaboration and knowledge sharing among users, irrespective of language barriers.
- ✓ **Efficient Labor Management:** Farmers can quickly publish labor vacancies, enabling seamless recruitment processes. Users seeking employment opportunities can easily browse and contact publishers, facilitating efficient workforce allocation and task delegation.
- ✓ **Transparent Payment Tracking:** The ability to track payments for labor ensures transparency and accountability in financial transactions. With instant SMS notifications upon wage payment, users have peace of mind knowing that their payments are accurately recorded and promptly communicated.
- ✓ **Convenient Trade Opportunities:** Users can effortlessly showcase and trade domestic animals, cultivation products, and tools, expanding market reach and facilitating transactions within the agricultural community. Direct contact options via WhatsApp or phone calls enhance convenience for buyers and sellers.
- ✓ **Access to Essential Products and Information:** With the admin's publication of farming-related products, users gain access to a wide range of essential supplies and resources. Additionally, the availability of news and government schemes relevant to farming ensures users stay informed about industry developments and opportunities for growth.
- ✓ **Personalized Guidance and Support:** The AI guide provides personalized consulting services to farmers, offering valuable insights and recommendations on disease management, farming techniques, and more. This feature empowers users to make informed decisions and optimize their agricultural practices for improved productivity and efficiency.

## **5. Detail Planning**

- 5.1 Data Flow Diagram
- 5.2 Process Specification
- 5.3 Data Dictionary
- 5.4 Entity-Relationship Diagram

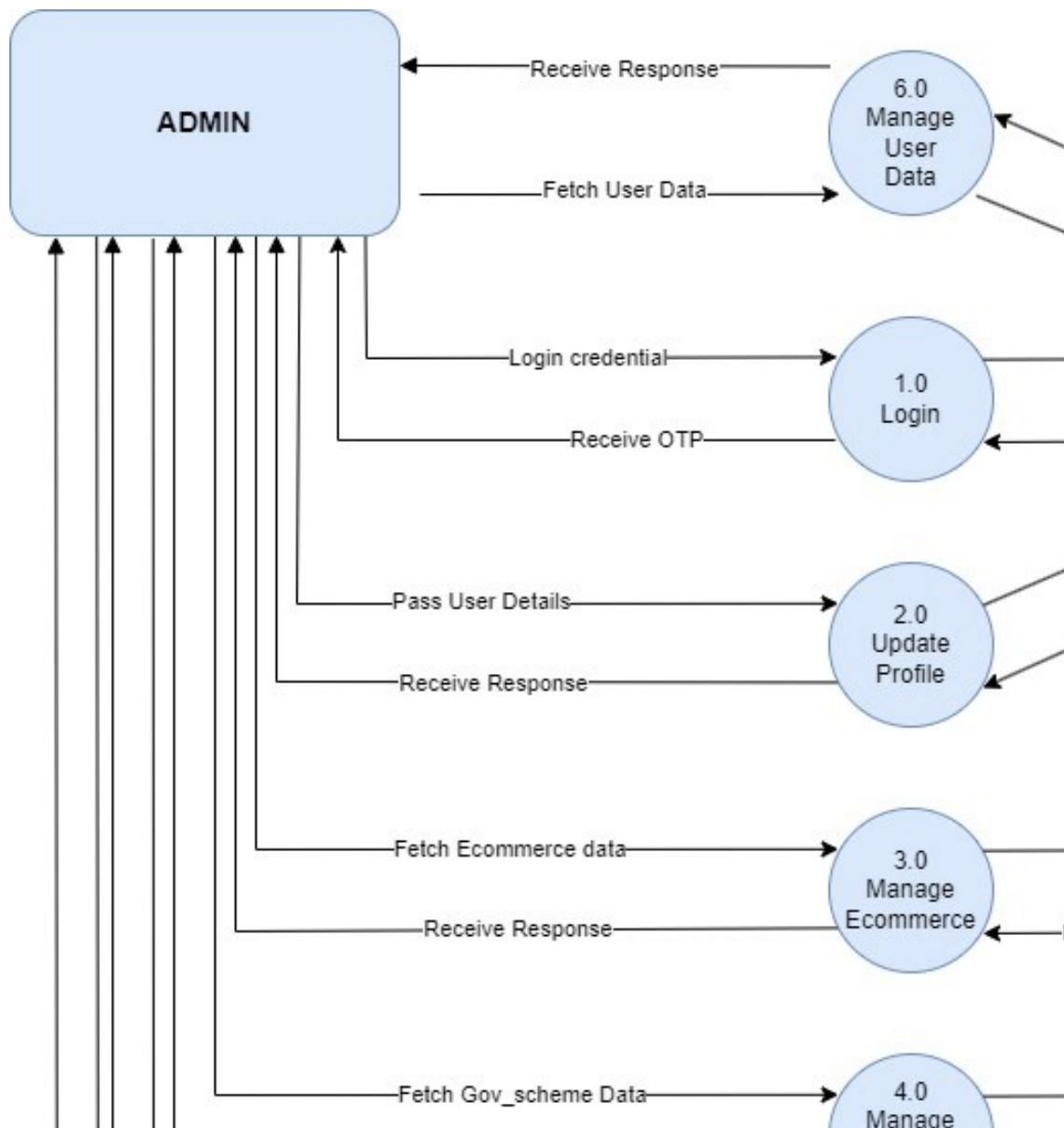
### **5.1 DATA FLOW DIAGRAM**

❖ Context level diagram:

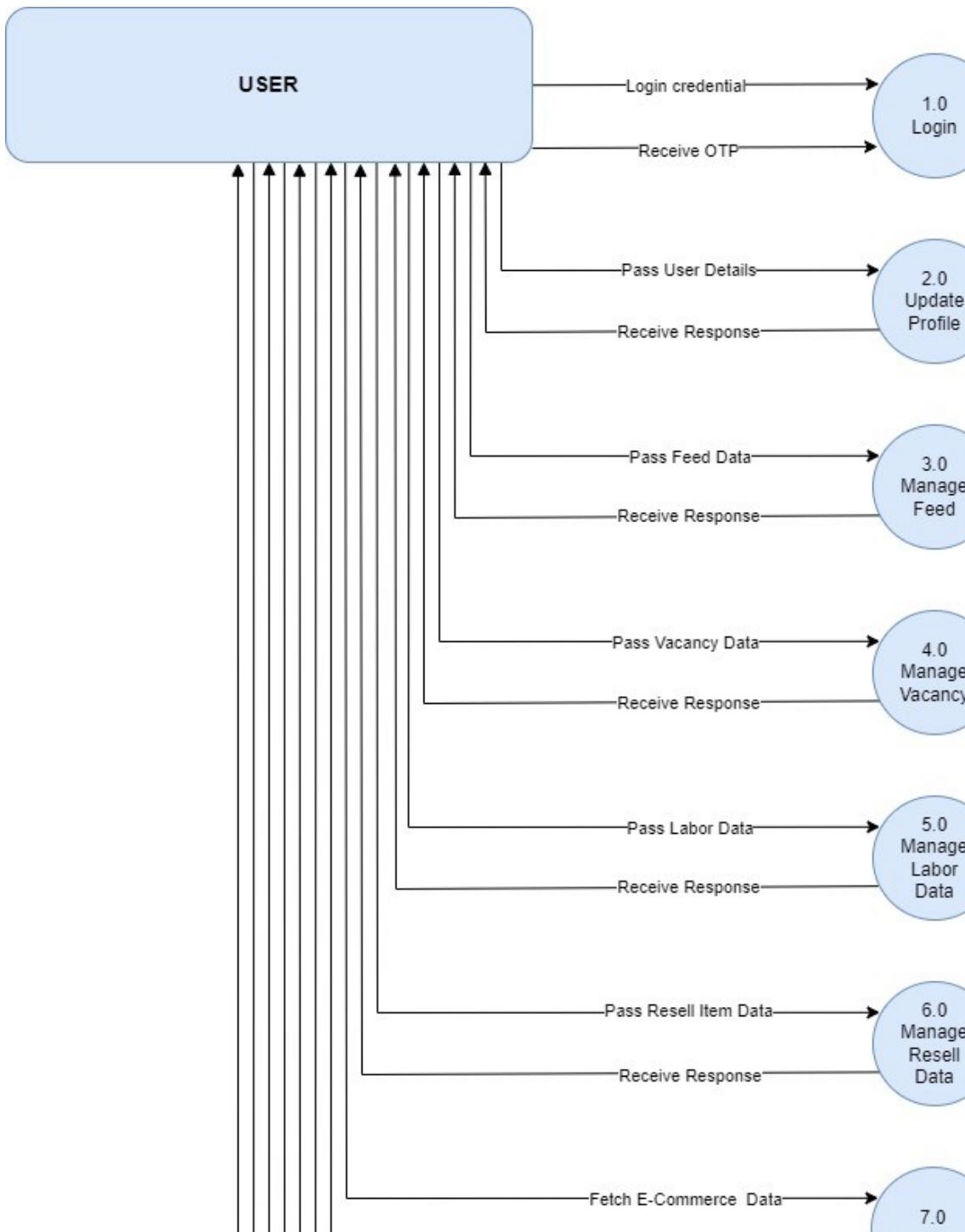


❖ 1\_level diagram:

➤ **Admin:**



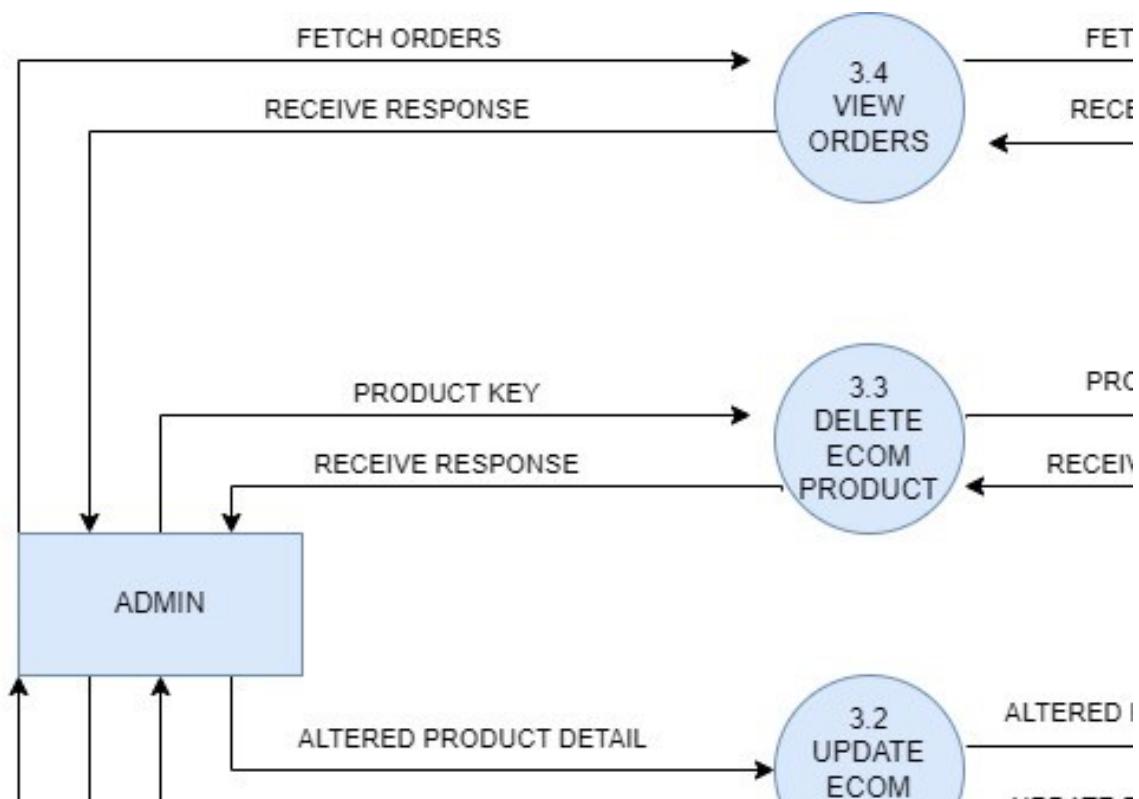
➤ **User:**



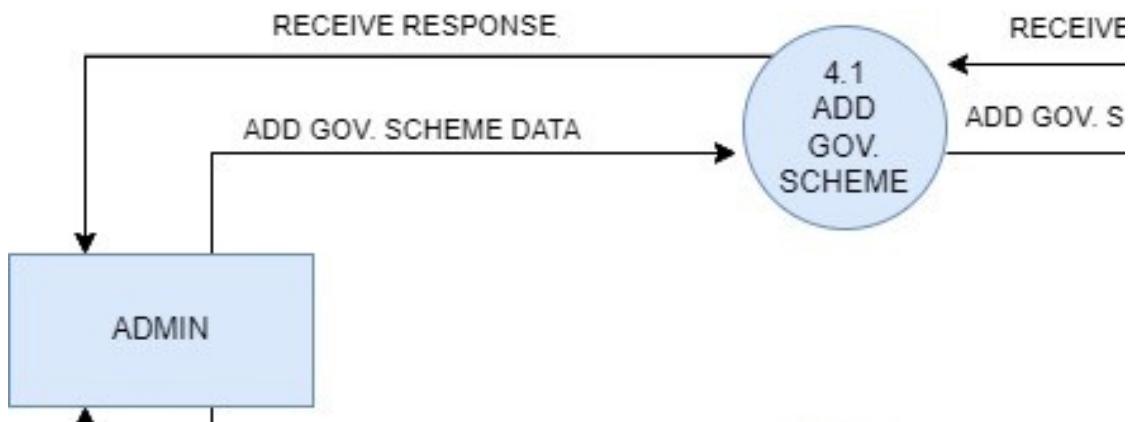
## ❖ 2\_level diagram:

### ➤ Admin:

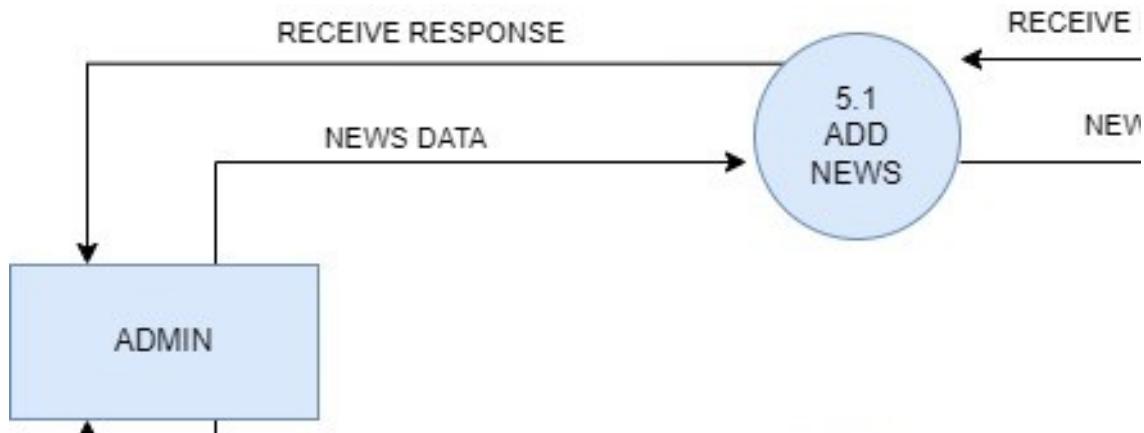
- **3.0 ecommerce:**



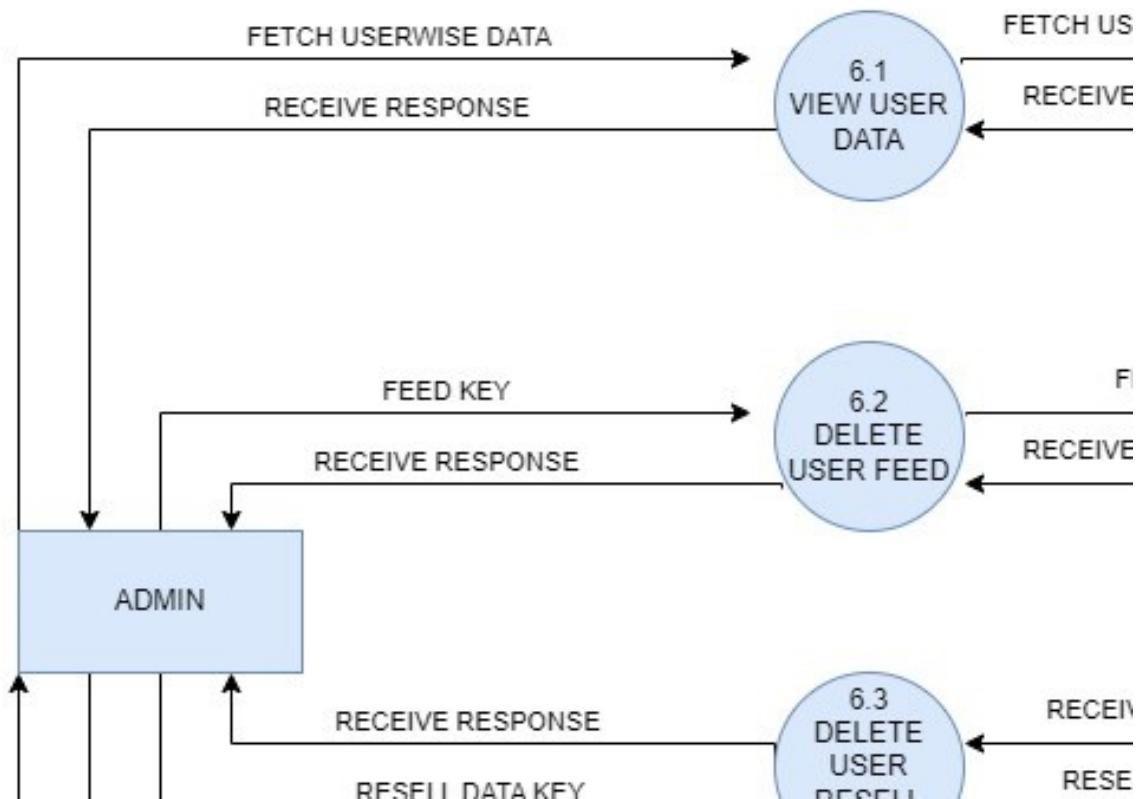
- **4.0 Manage Government scheme**



- **5.0 Admin manage news**

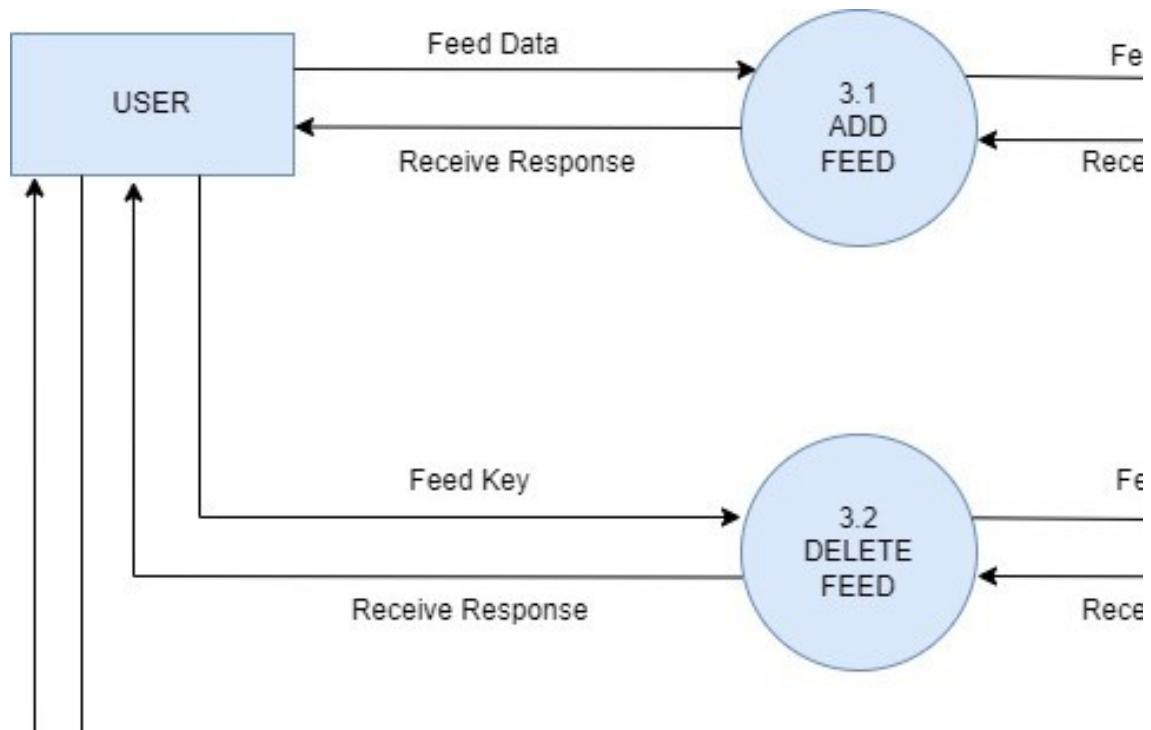


- **6.0 Admin view user data:**

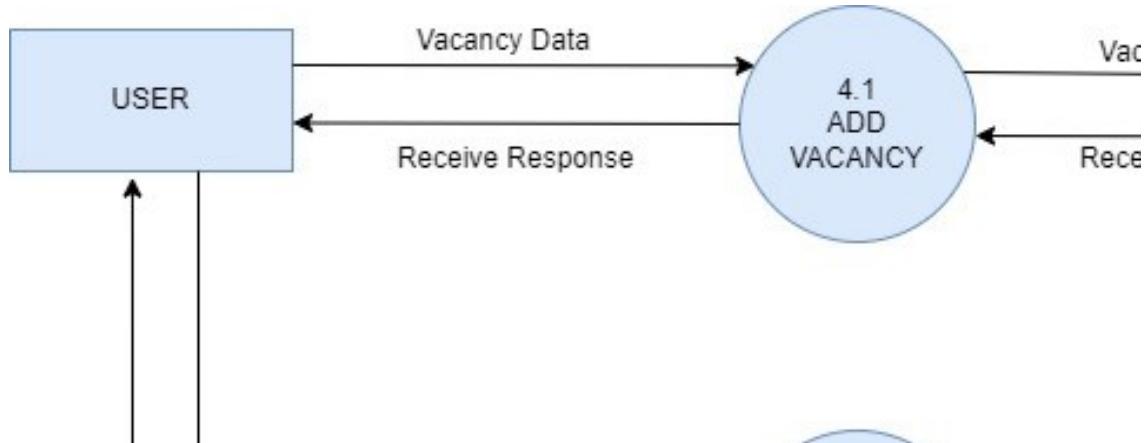


➤ **User:**

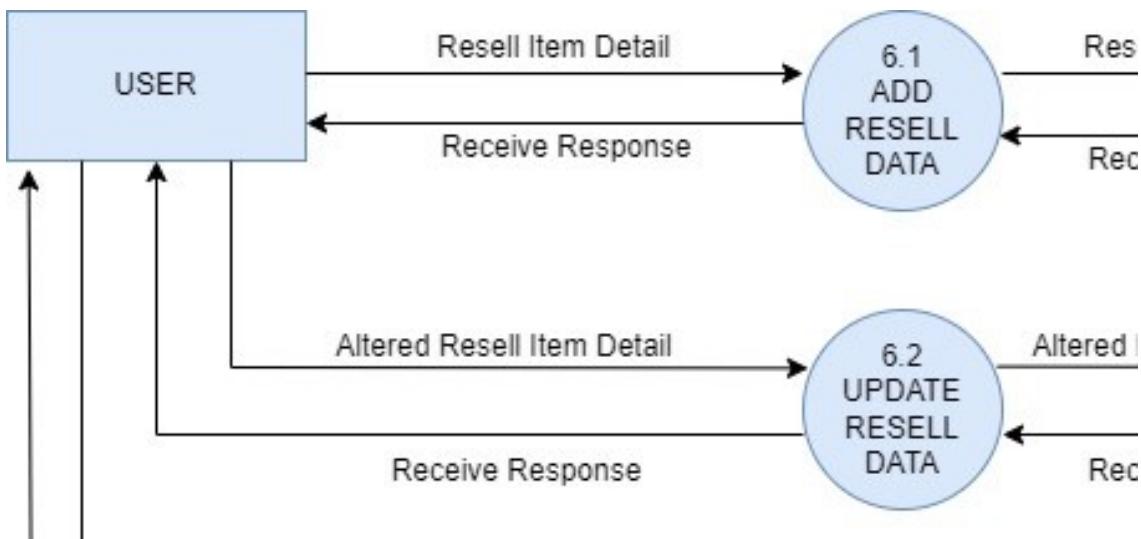
- **3.0 manage feed:**



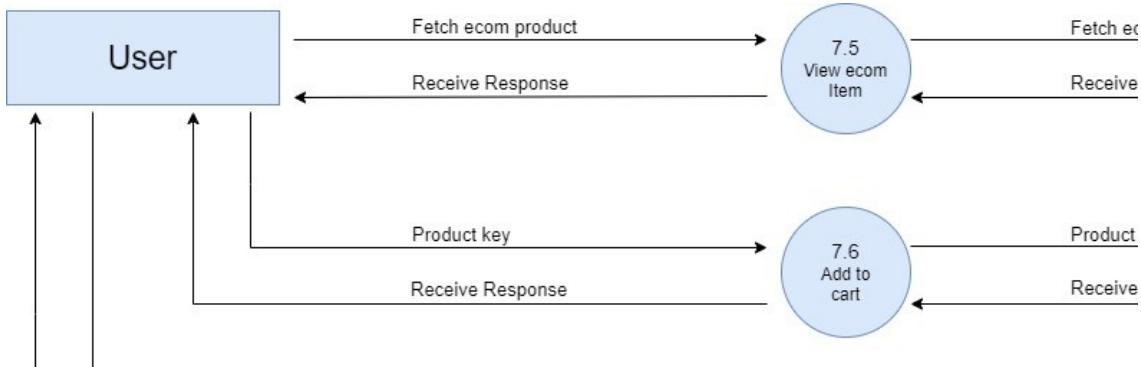
- **4.0 manage vacancy:**



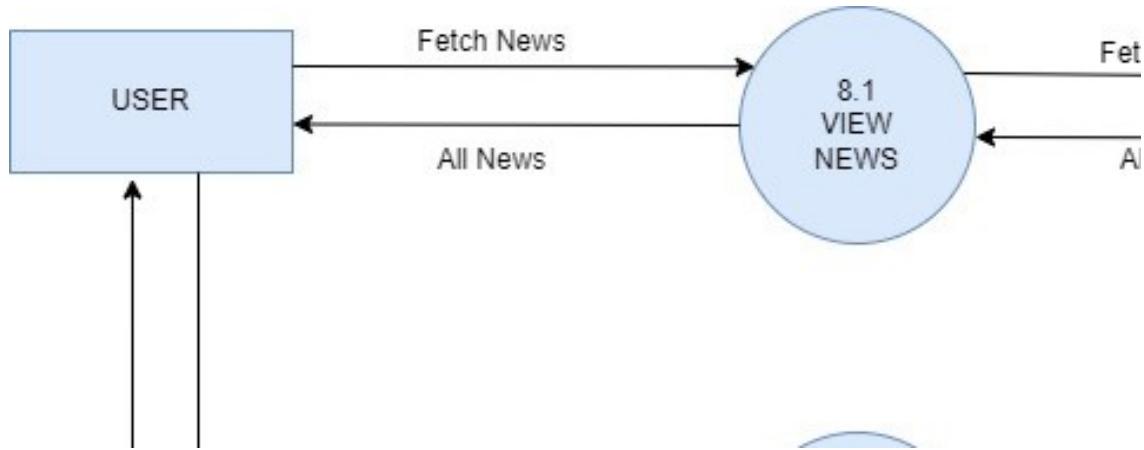
- **6.0 manage resell data:**



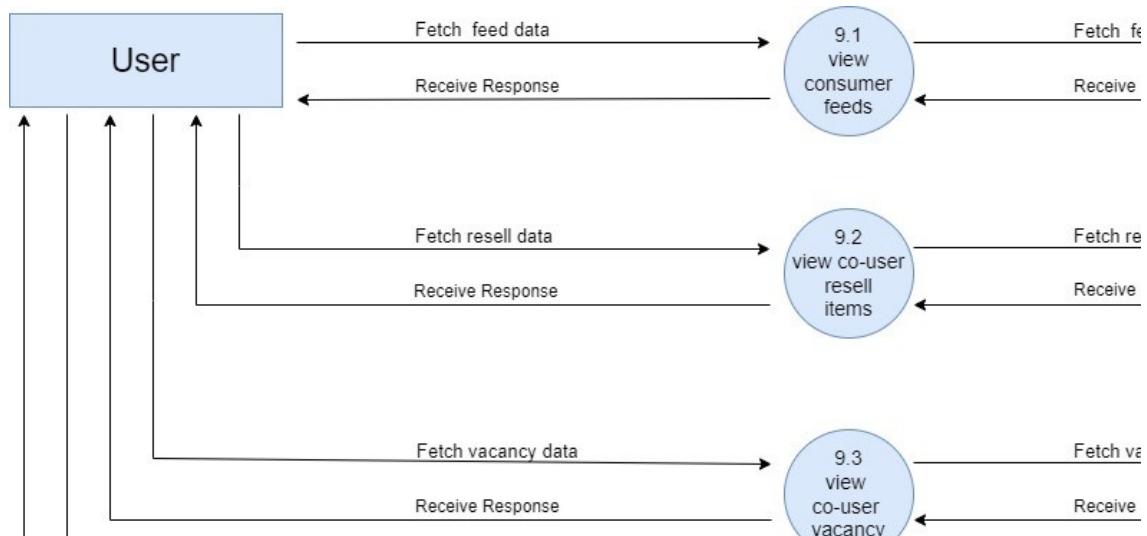
- **7.0 ecommerce User:**



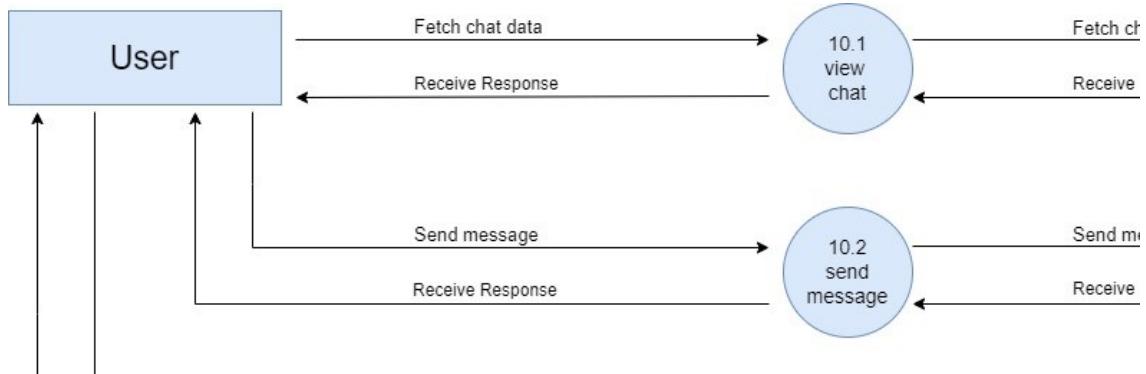
- **8.0 view admin published data:**



- **9.0 view user published data:**



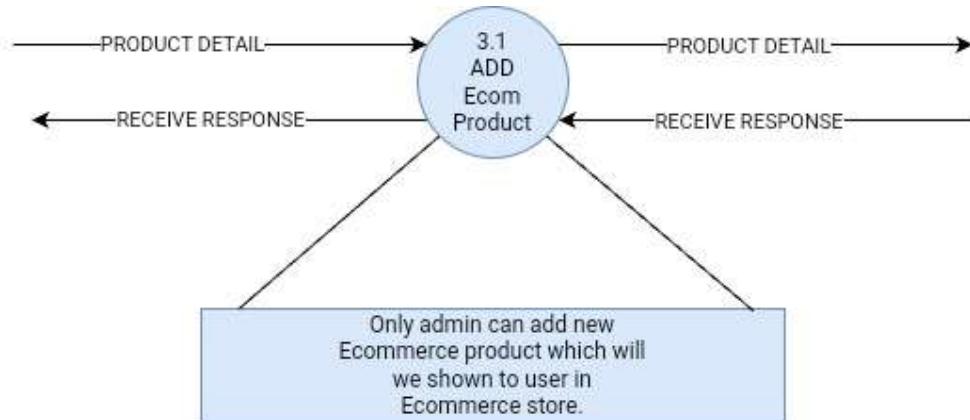
- **10.0 chat with user**



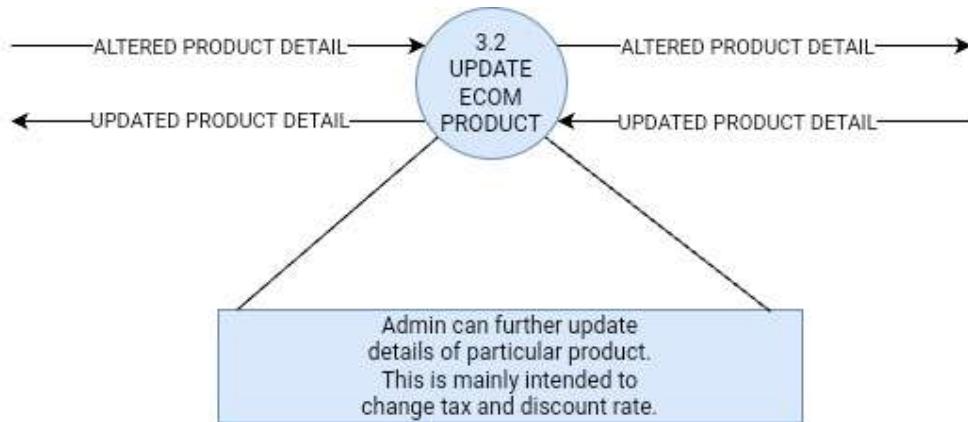
## 5.2 PROCESS SPECIFICATION

➤ **Admin:**

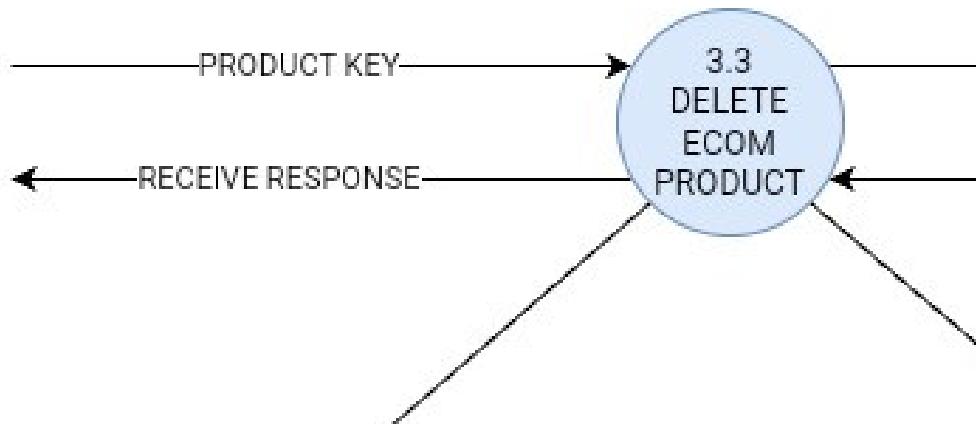
- **3.1 Admin add ecommerce product**



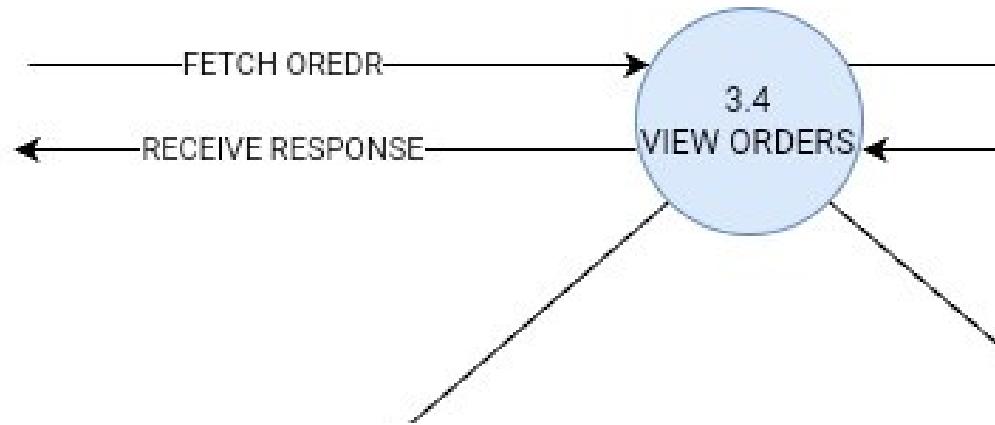
- **3.2 admin update ecommerce product**



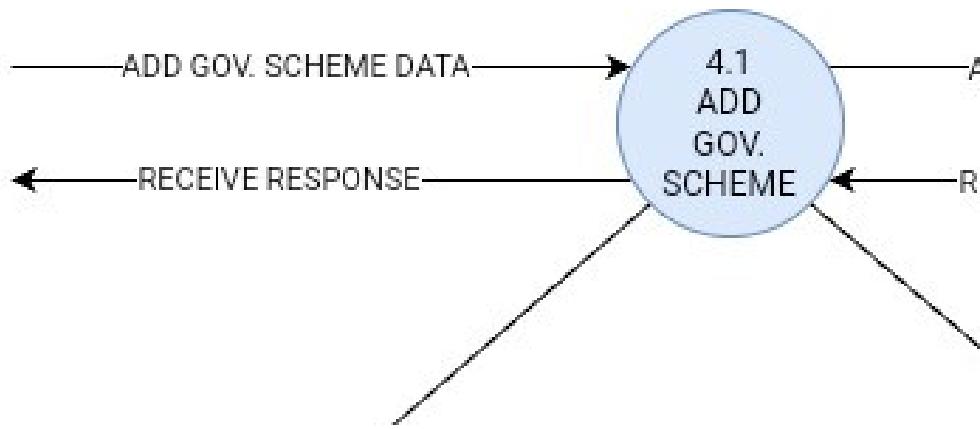
- **3.3 admin delete ecommerce product**



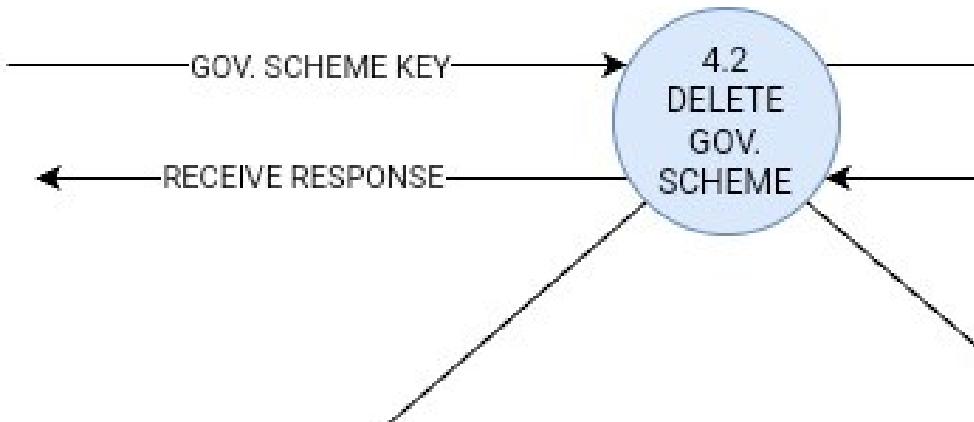
- **3.4 admin view orders:**



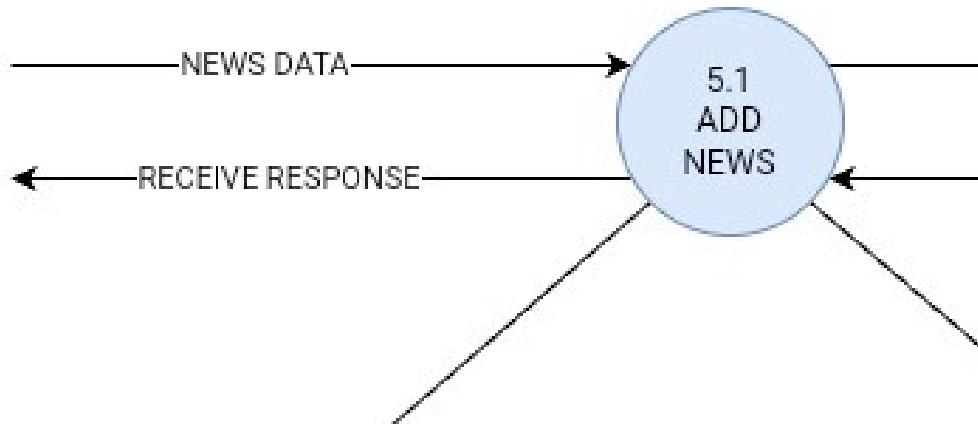
- **4.1 admin add government scheme:**



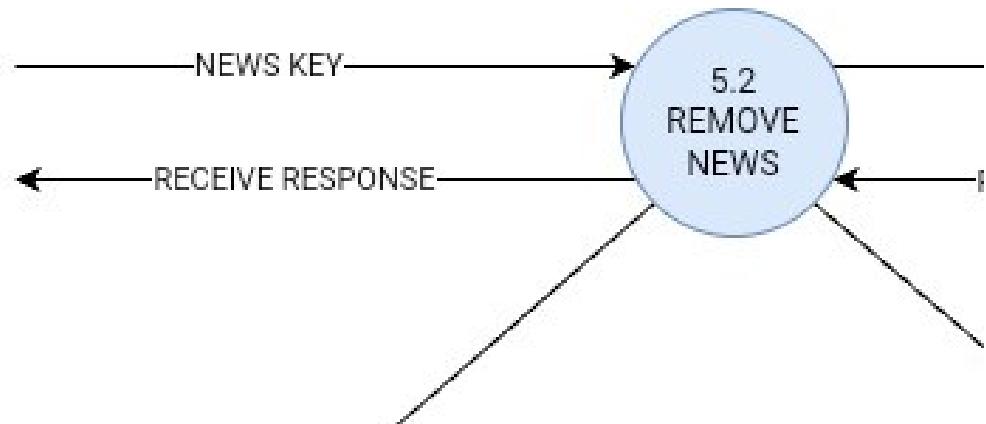
- **4.2 admin delete government scheme:**



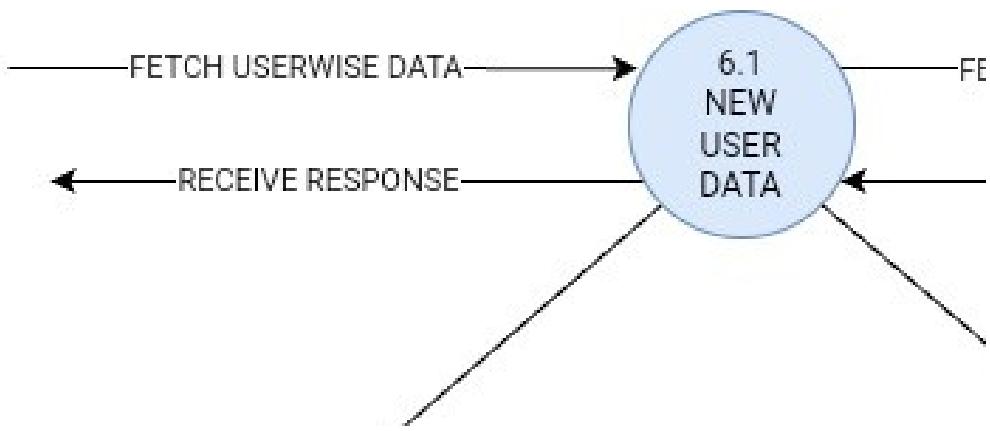
- **5.1 admin add news:**



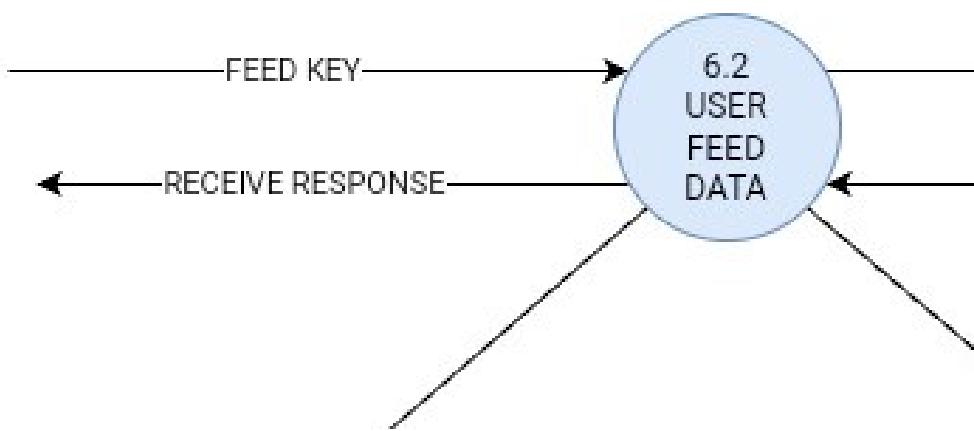
- **5.2 admin remove news:**



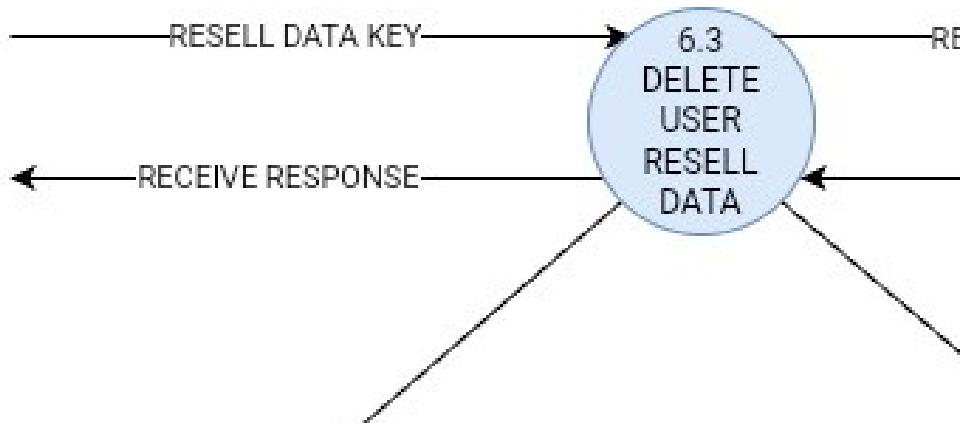
- **6.1 admin new user data:**



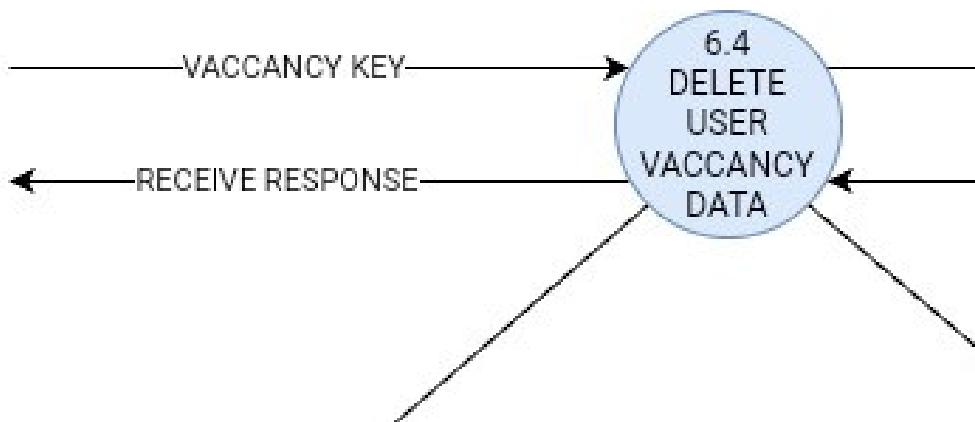
- **6.2 admin delete user feed:**



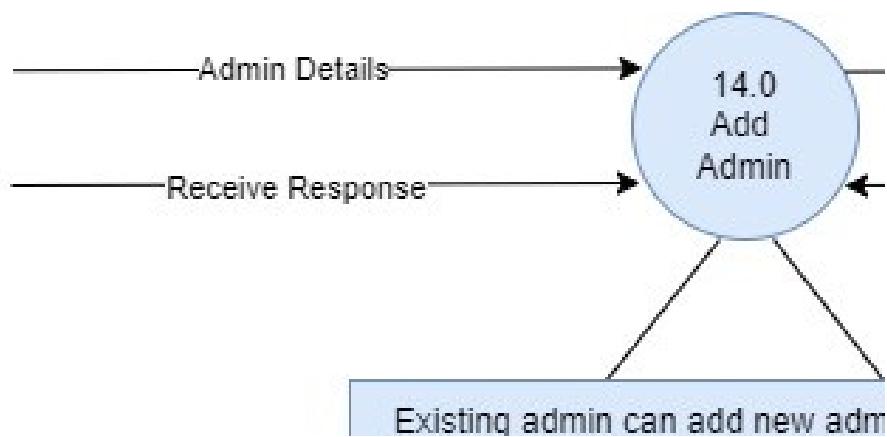
- **6.3 admin delete user resell data:**



- **6.4 admin vacancy user resell data:**

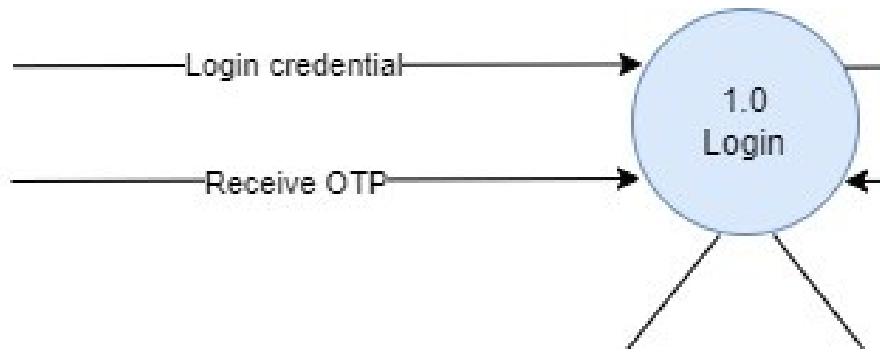


- **14.0 add admin:**

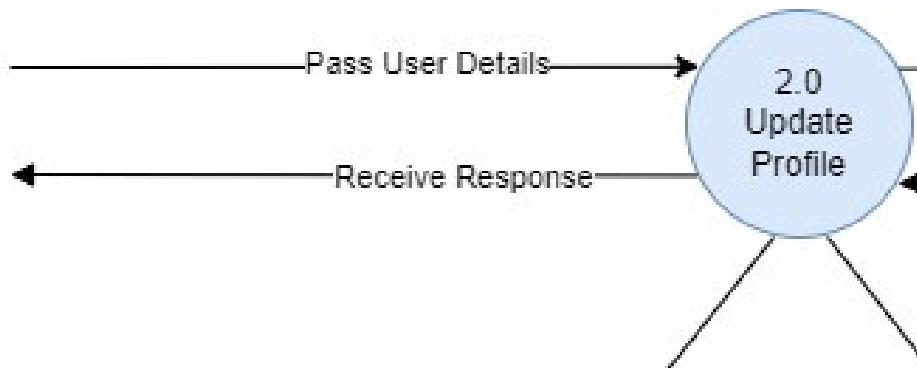


➤ **User:**

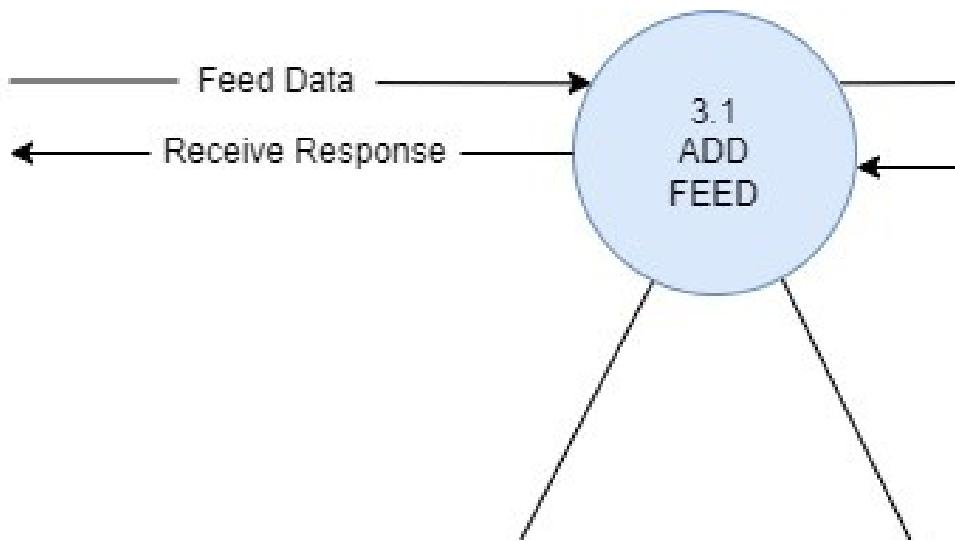
- **1.0 login:**



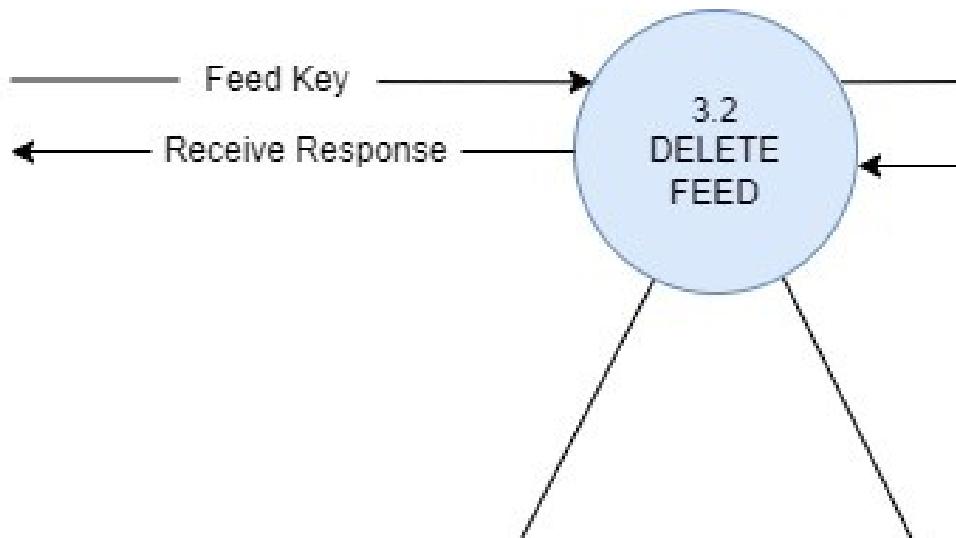
- **2.0 update profile:**



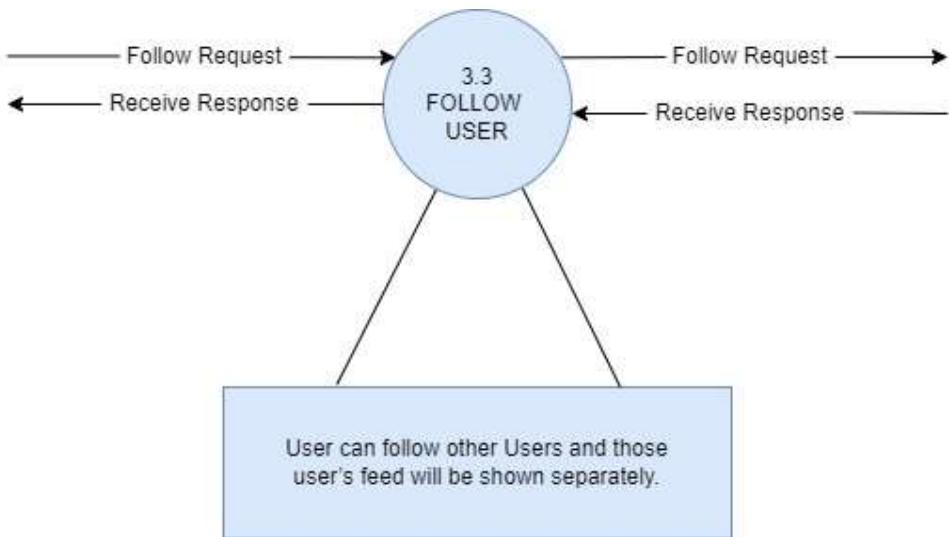
- **3.1 add feed:**



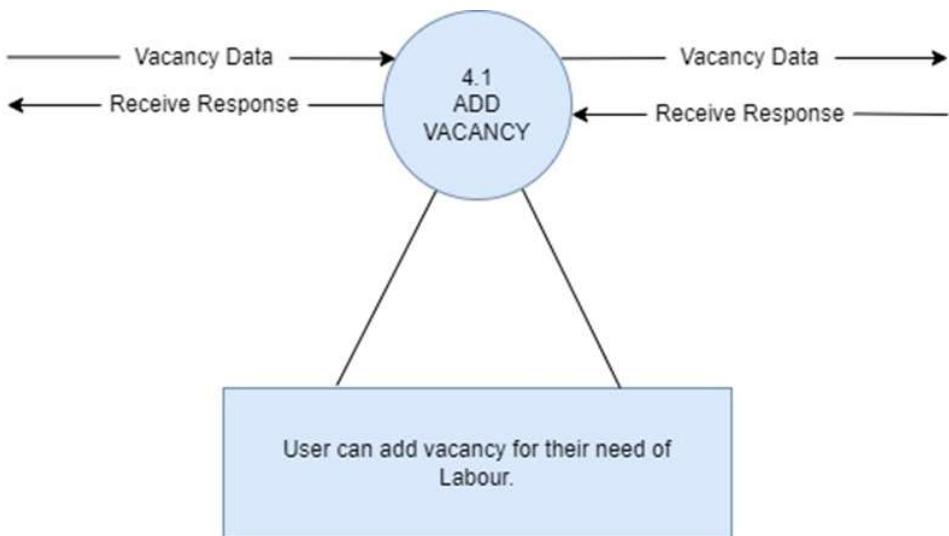
- **3.2 delete feed:**



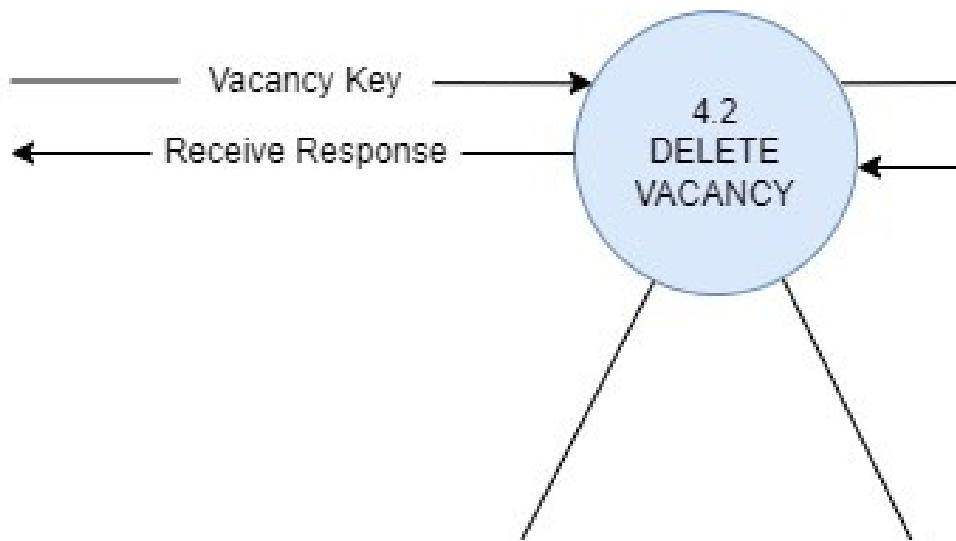
- **3.3 follow user:**



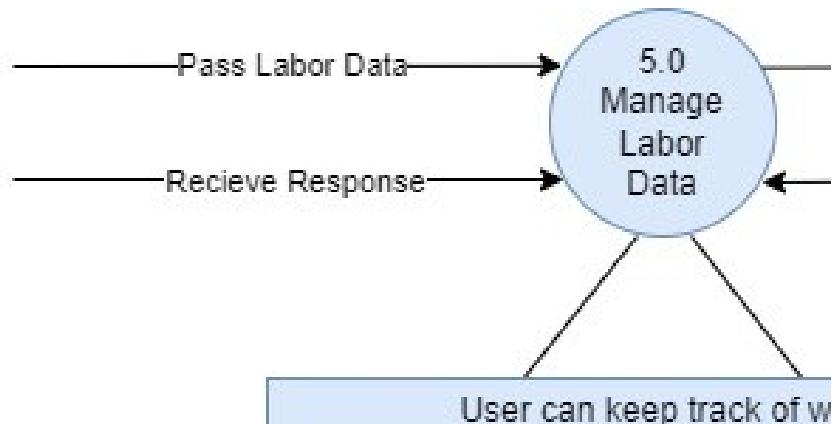
- **4.1 add vacancy:**



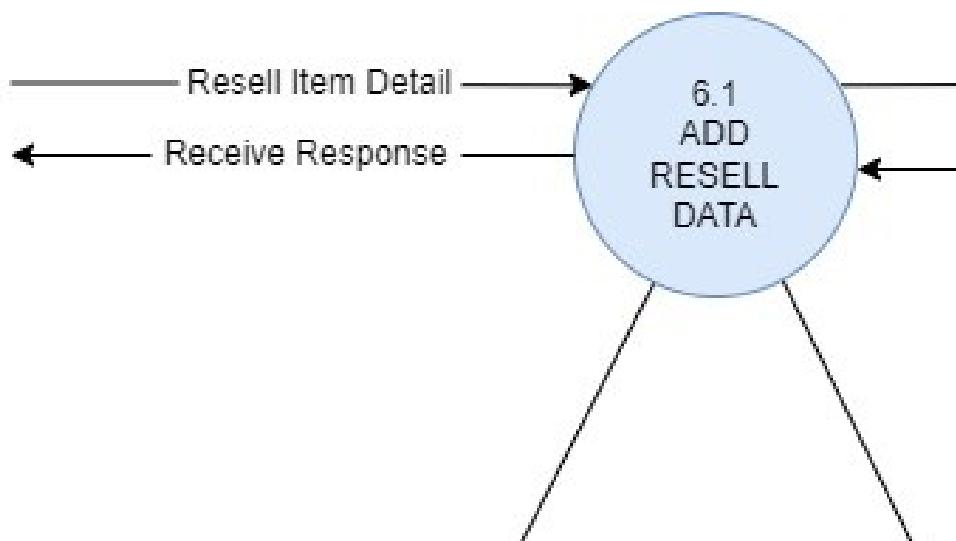
- **4.2 delete vacancy:**



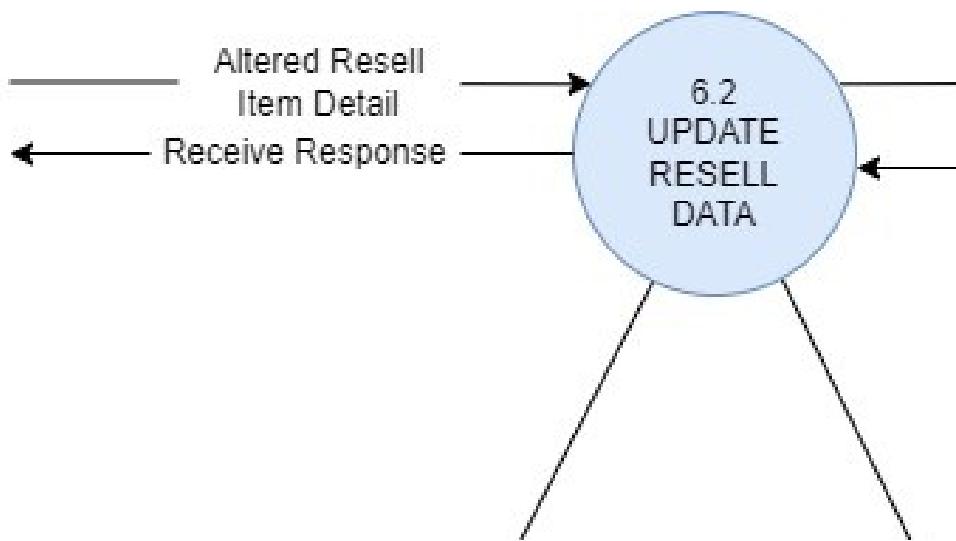
- **5.0 manage labor data:**



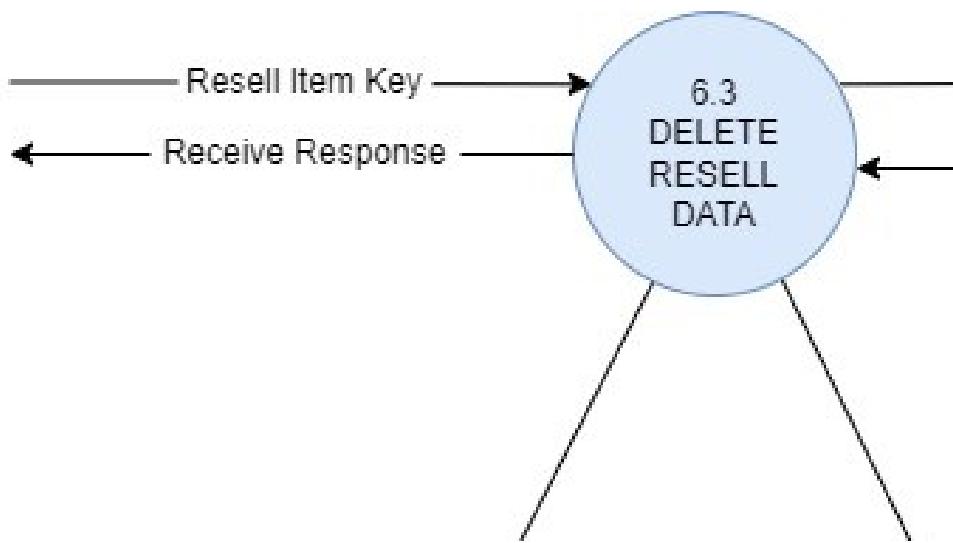
- **6.1 add resell data:**



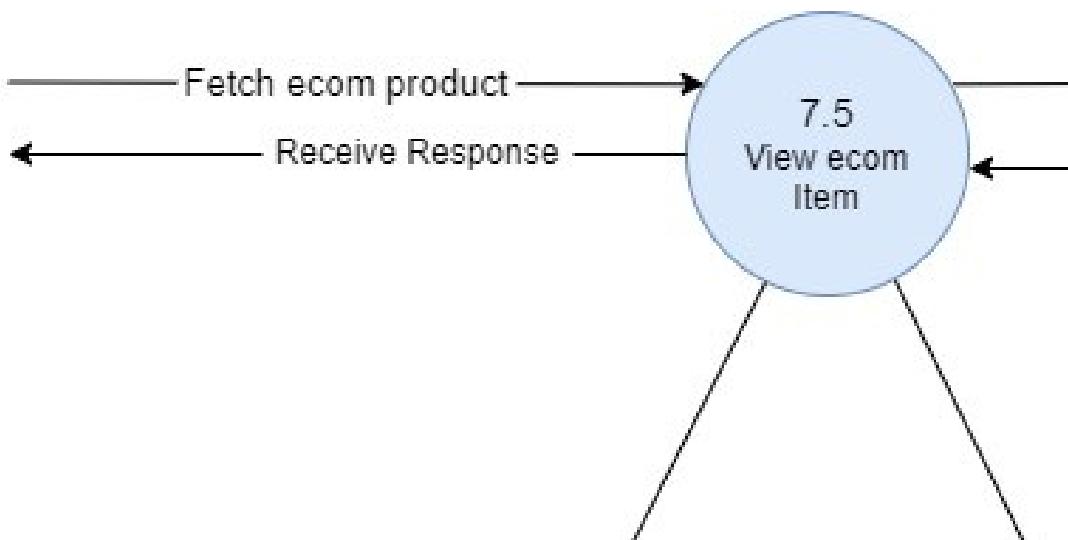
- **6.2 update resell data:**



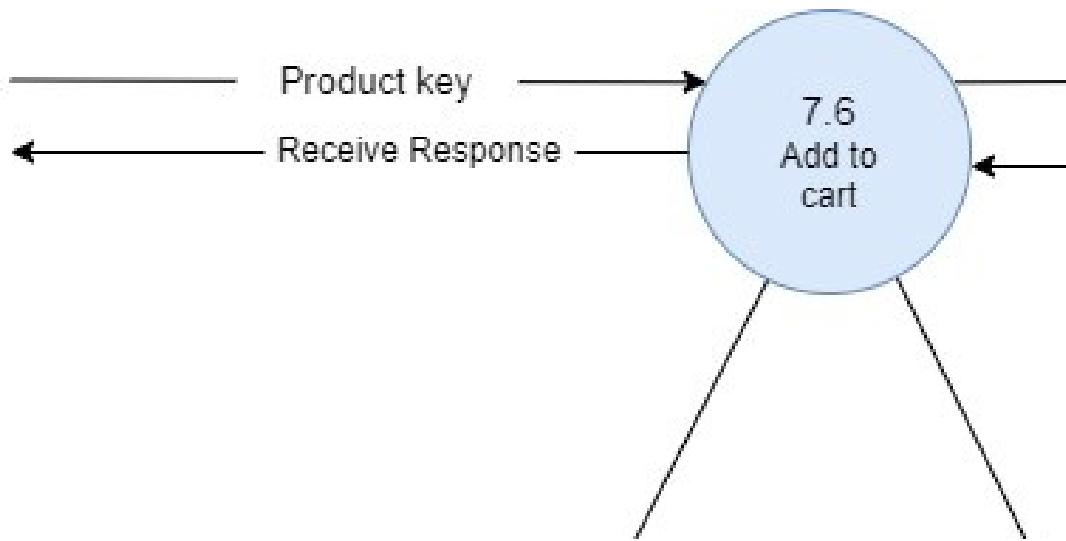
- **6.3 delete resell data:**



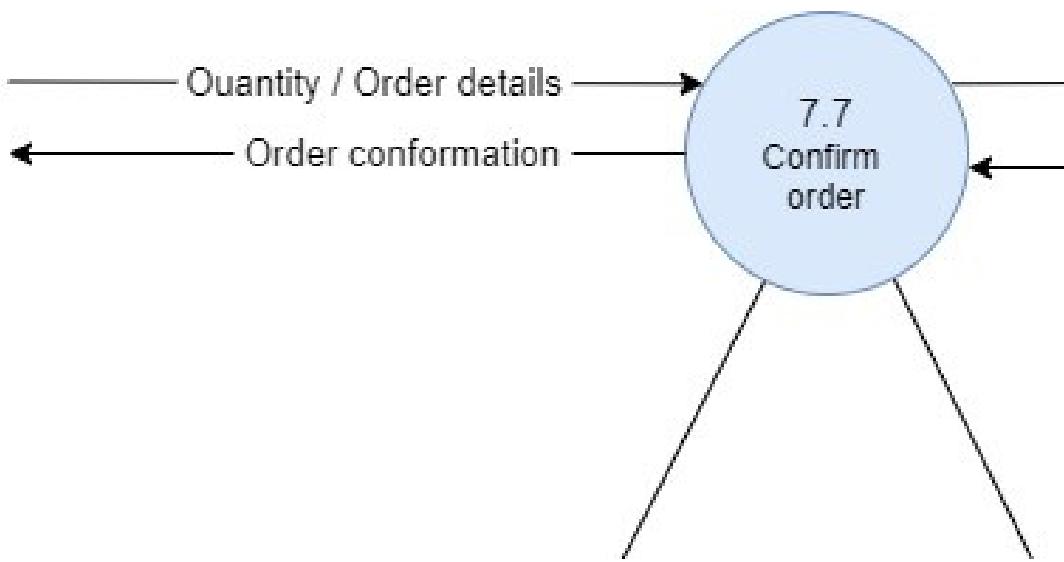
- **7.5 view ecommerce item**



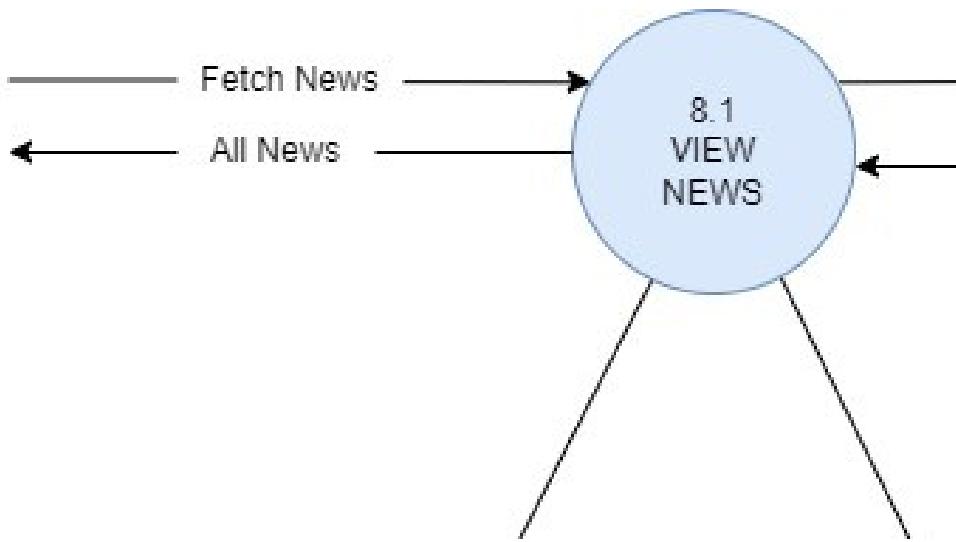
- **7.6 add to cart:**



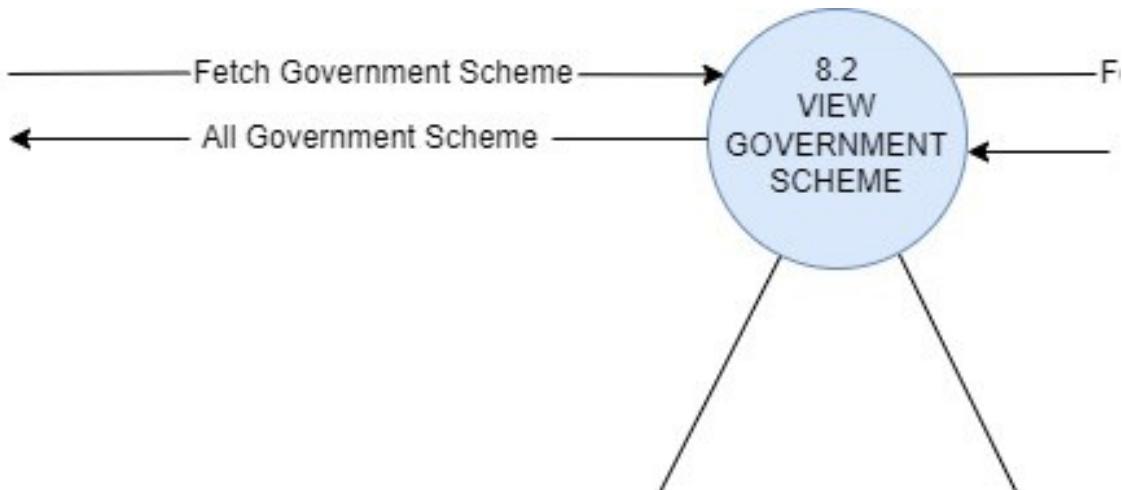
- **7.7 confirm order:**



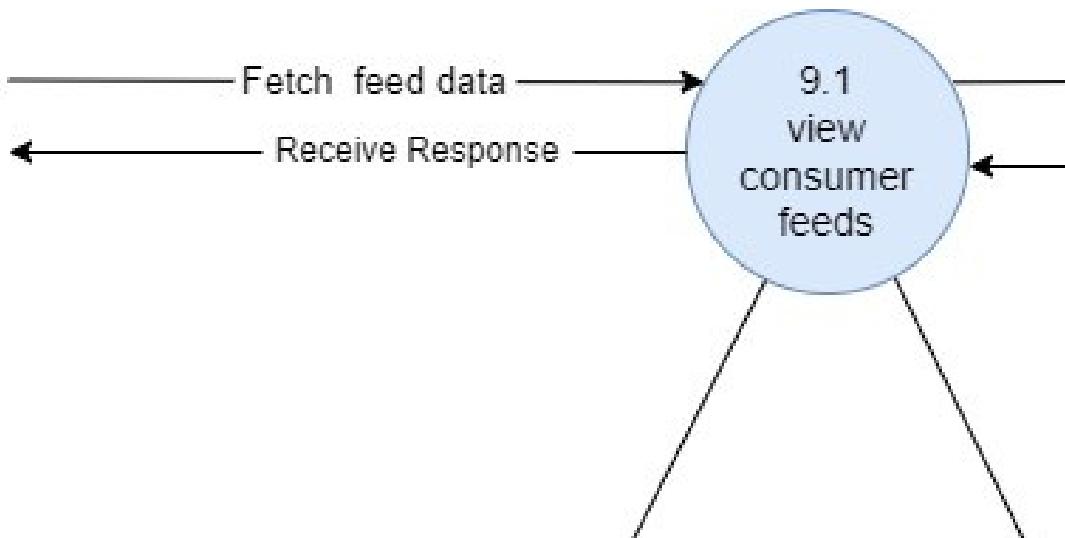
- **8.1 view news:**



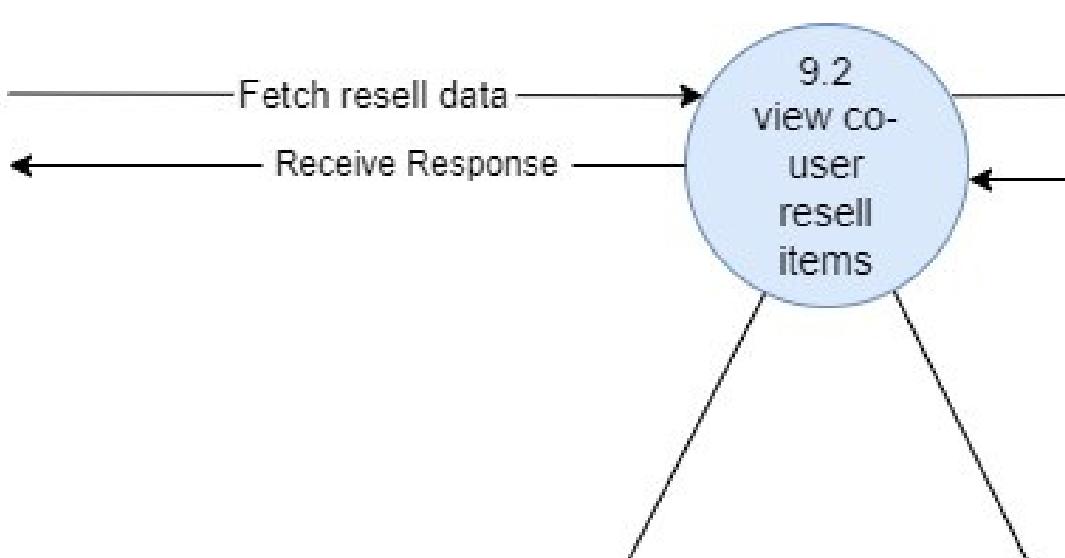
- **8.2 view government scheme:**



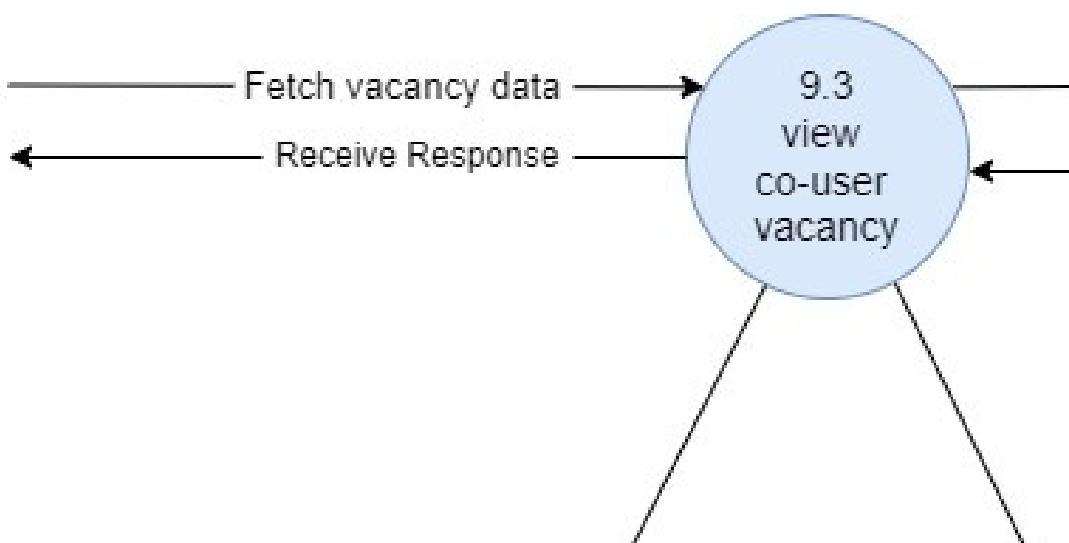
- **9.1 view customer feeds:**



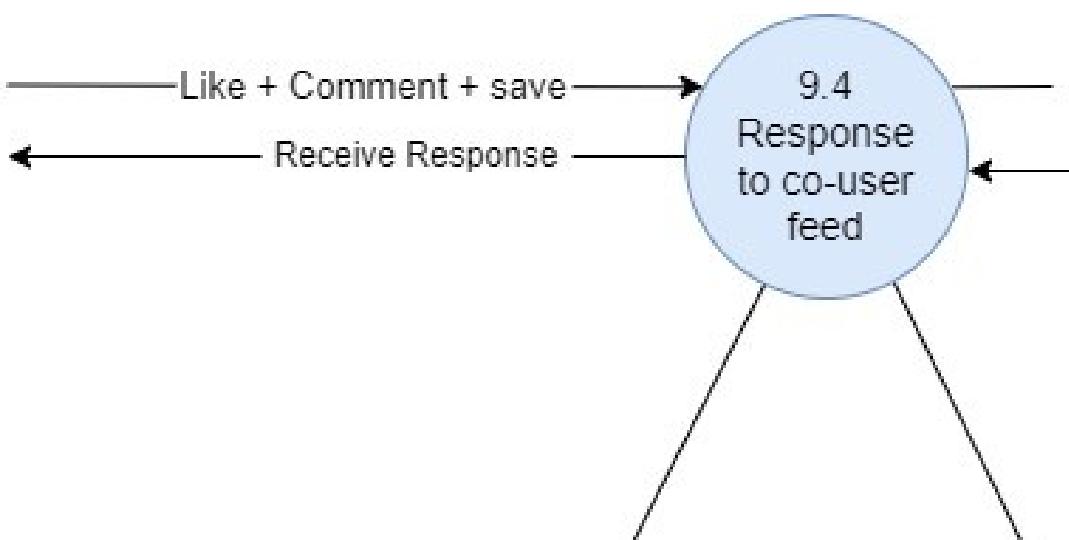
- **9.2 view customer resell item:**



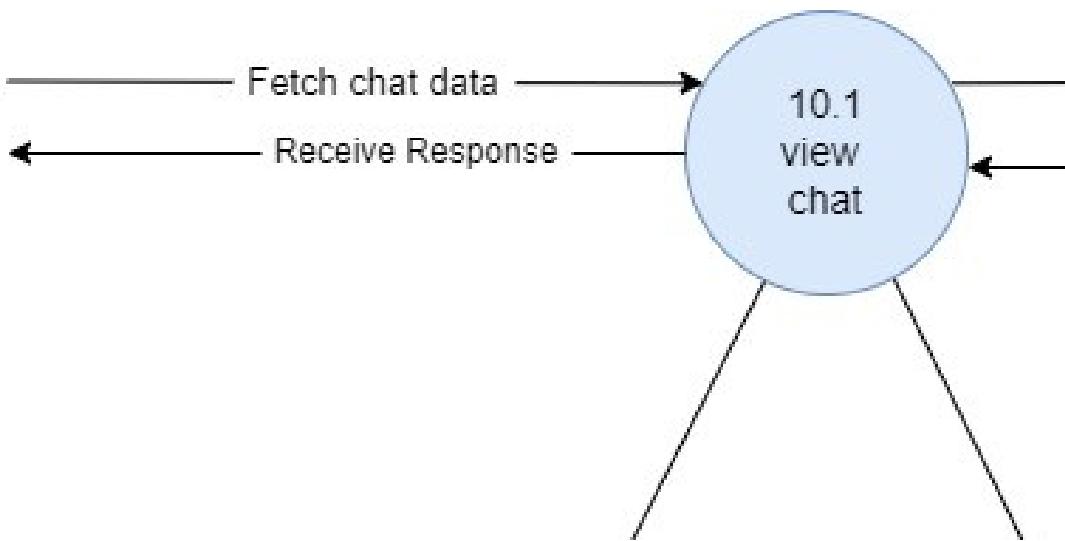
- **9.3 view customer user vacancy:**



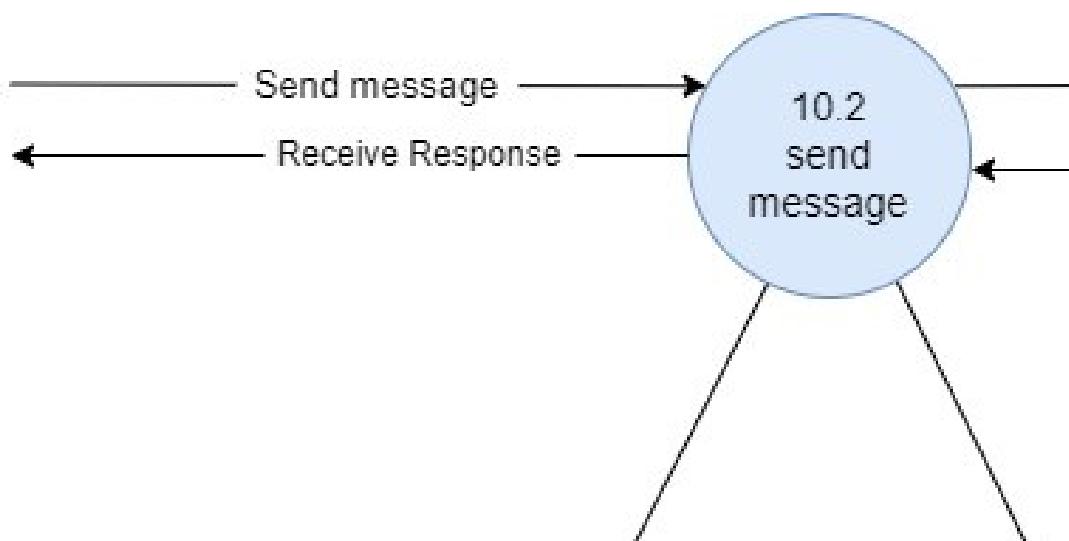
- **9.4 response between user**



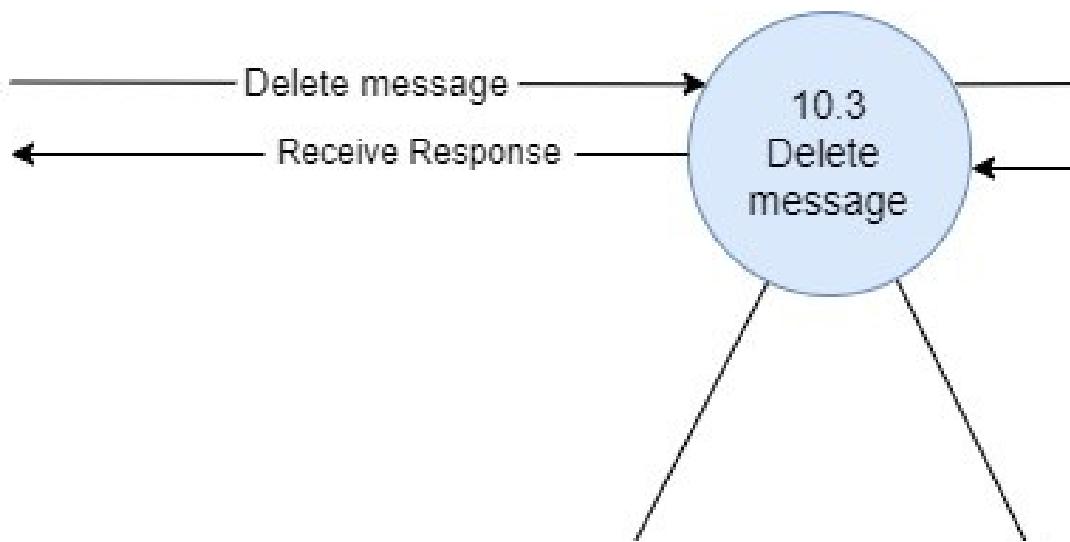
- **10.1 view chat:**



- **10.2 send message:**



- **10.3 delete message:**



## 5.3 DATA DICTIONARY

Name:	logindetail
Alias:	Null
Whereused?/How used?	User/Adminlogin(Input/Output)
ContentDescription:	uname+mo+url

Name:	Update/complete Profile Detail
Alias:	Null
Whereused?/How used?	User/AdminUpdate profile(Input/Output)
ContentDescription:	email+dob+gender+address+state+uname+mo+url

Name:	Feed Detail
Alias:	Null
Whereused?/How used?	Post Feed (Input/Output)
ContentDescription:	umo+date+post+key+des+mediatype

Name:	Chat Detail
Alias:	Null
Whereused?/How used?	Chat between Users (Input/Output)
ContentDescription:	key+msg+smo+rmo+date+time+img

Name:	Comment Detail
Alias:	Null
Whereused?/How used?	Comments of user on feed(Input/Output)
ContentDescription:	mo+comment+key

Name:	Like Detail
Alias:	Null
Whereused?/How used?	Like of user on feed(Input/Output)
ContentDescription:	mo

Name:	Save Feed Detail
Alias:	Null
Whereused?/How used?	Like of user on feed(Input/Output)
ContentDescription:	key

Name:	Vacancy Detail
Alias:	Null
Whereused?/How used?	User publish vacancy(Input/Output)
ContentDescription:	key+oname+ocan+twork+wtype+eamt+wdur+district+tehsil+village+des+state+umoo+date

Name:	Labour Detail
Alias:	Null
Where used?/How used?	User add labor detail(Input/Output)
ContentDescription:	lname+lmo+lloc+lwages+key+ldes+ldate

Name:	News Detail
Alias:	Null
Where used?/How used?	Admin add news which can be view by user. (Input/Output)
ContentDescription:	headline+link+description+img+key

Name:	Government scheme Detail
Alias:	Null
Where used?/How used?	Admin add Government scheme which can be view by user. (Input/Output)
ContentDescription:	name+state+url+des+key+lnk

Name:	Cultivation Product Detail
Alias:	Null
Where used?/How used?	User add their cultivated product to sell. (Input/Output)
ContentDescription:	key+category+spiece+pname+qty+price+payment+state+mo+district+tehsil+village+des+img+umo+date+sname

Name:	Animal Detail
Alias:	Null
Where used?/How used?	User add their cultivated product to sell. (Input/Output)
ContentDescription:	key+type+spiece+age+year+age+month+mproduction+weight+state+mo+price+district+tehsil+village+des+img+umo+date+sname.

Name:	Tools and Accessories Details
Alias:	Null
Where used?/How used?	User add their Tools and Accessories to resell. (Input/Output)
ContentDescription:	key+type+spiece+age+year+age+month+mproduction+weight+state+mo+price+district+tehsil+village+des+img+umo+date+sname.

Name:	Tools and Accessories Details
Alias:	Null
Where used?/How used?	User add their Tools and Accessories to resell. (Input/Output)
ContentDescription:	Key+category+pname+Price+month+State+Mo+district+Tehsil+Village Des+Img+umo+Date+Sname

Name:	Ecommerce Product Details
Alias:	Null

Where used?/How used?	Admin add product for ecommerce store. (Input/Output)
ContentDescription:	Price+Img+Recomm+dpec+Key+Pname+Des+Cgst+Sgst+Discount

Name:	Ecommerce Product Details
Alias:	Null
Where used?/How used?	Admin add product for ecommerce store. (Input/Output)
ContentDescription:	Price+Img+Recomm+dpec+Key+Pname+Des+Cgst+Sgst+Discount

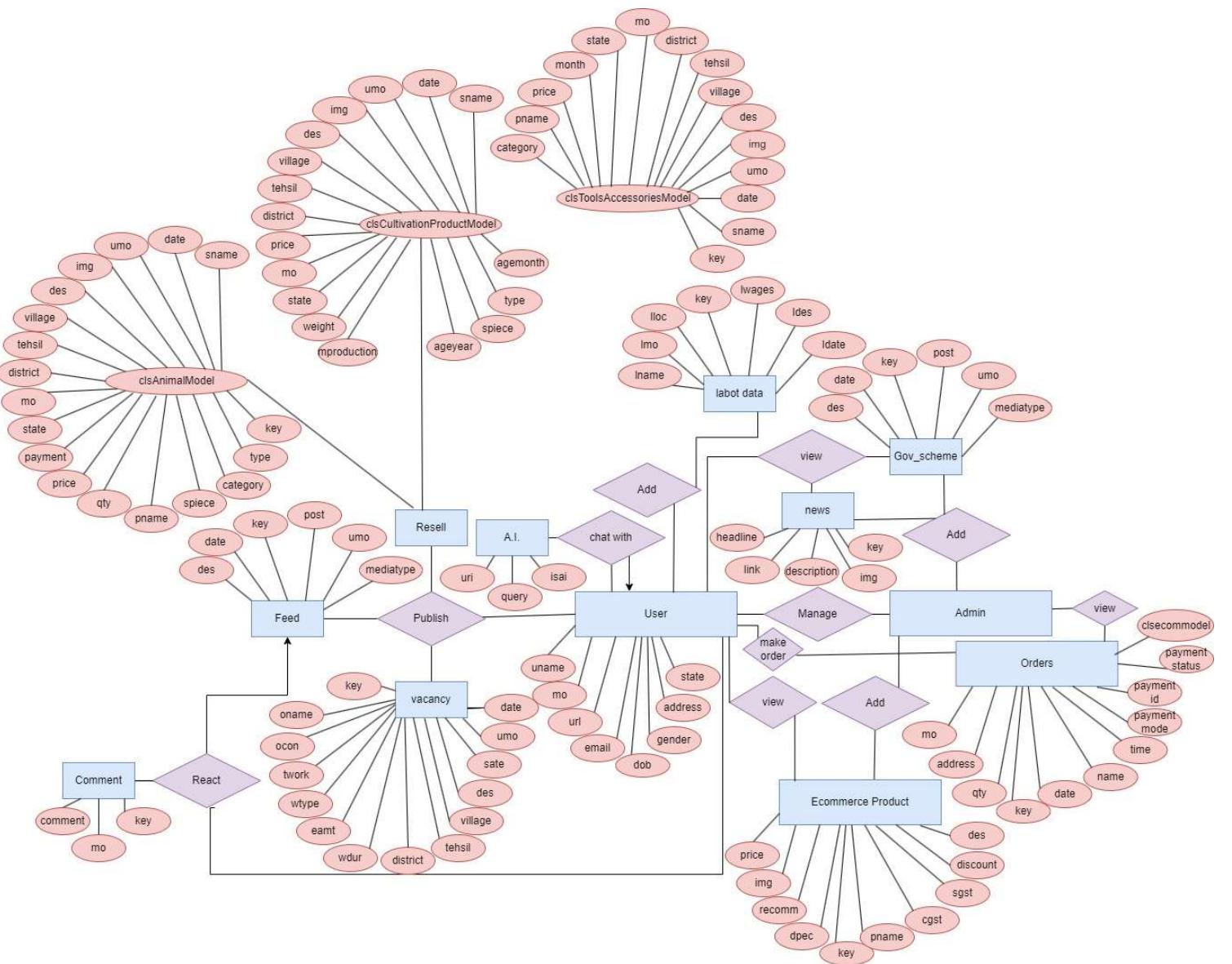
Name:	Order Details
Alias:	Null
Where used?/How used?	User enter quantity+ delivery details+ payment mode. Product details are taken from system. (Input/Output)
ContentDescription:	Clsecommdel+mo+address+qty+Key+Date+Name+time+ PaymentMode+PaymentId+PaymentStatus

Name:	AI Details
Alias:	Null
Where used?/How used?	User prompts query or image to A.I. Then A.I. generate output ans send response.

	(Input/Output)
ContentDescription:	uri+ query+ ai+ result

Name:	Weather Details
Alias:	Null
Where used?/How used?	System sends latest latitude and longitude to server+ who accordingly sends weather data.
ContentDescription:	Latitude+longitude+ description+ humidity+ pressure+ temp+ temp_max+ temp_min+ speed+ icon.

## 5.4 Entity-Relationship Diagram



## **6. System Design**

6.1 Database Design

6.2 Directory Structure

6.3 Input Layouts

## 6.1 DATABASE DESIGN

### 1.ClsUserModel

ClsUserModel			
No	Field Name	Data type	Description
1	uname	String	Username
2	mo	String	Mobile No.
3	url	String	Profile Picture URL
4	email	String	User Email
5	dob	String	Date Of Birth
6	gender	String	Gender
7	address	String	Address
8	state	String	State

### 2.ClsAnimalModel

ClsAnimalModel			
No	Field Name	Data type	Description
1	key	String	Unique key
2	type	String	Animal type
3	spiece	String	Spiece of Animal
4	ageyear	String	Animal Age year

5	agemonth	String	Animal Age month
6	mproduction	String	Production from Animal
7	weight	String	Weight of Animal
8	state	String	State of living
9	mo	String	Mobile number of owner
10	price	String	Price of Animal
11	district	String	District of living
12	tehsil	String	Tehsil of living
13	village	String	Village of living
14	des	String	Description about animal
15	img	String	One Image of animal
16	umo	String	Mobile No. of uploader
17	date	String	Date of Upload
18	sname	String	Name of Seller

### **3.ClsCommentModel**

ClsCommentModel			
No	Field Name	Data type	Description
1	mo	String	Mobile No of Commenter
2	comment	String	Comment text
3	key	String	Unique Key

## **4.ClscultivationProductionModel**

<b>ClscultivationProductionModel</b>			
No	Field Name	Data type	Description
1	key	String	Unique Key
2	category	String	Category of product
3	spiece	String	Spiece of product
4	pname	String	Product name
5	qty	String	Quantity (In K.G.)
6	price	String	Price (Per K.G.)
7	payment	String	Total Payment
8	state	String	State of Origin
9	mo	String	Mobile number of Seller
10	district	String	District of Origin
11	tehsil	String	Tehsil of Origin
12	Village	String	Village of Origin
13	Des	String	Description of Product
14	img	String	One Image of Product
15	umo	String	Mobilw No of Uploader
16	date	String	Date of Upload
17	sname	String	SellerName

## **5.ClsEcommModel**

<b>ClsEcommModel</b>			
No	Field Name	Data type	Description
1	price	String	Price of product
2	img	String	Image of Product
3	recomm	String	Recommendation about Product
4	dpec	String	Specification of Product
5	key	String	Unique Key
6	pname	String	Product name
7	des	String	Description of Product
8	cgst	Float	Rate Of cgst
9	sgst	Float	Rate Of sgst
10	discount	Float	Rate Of discount

## **6.ClsFeedModel**

<b>ClsFeedModel</b>			
No	Field Name	Data type	Description
1	umo	String	Mobile No of Uploader
2	date	String	Date of upload
3	post	String	Post (Image)
4	key	String	Unique Key
5	des	String	Description about post
6	mediatype	String	Type of Media

## **7.ClsGovModel**

<b>ClsGovModel</b>			
No	Field Name	Data type	Description
1	name	String	Title of Scheme
2	state	String	Applicable State
3	url	String	URL of image
4	des	String	Little Description About Scheme
5	key	String	Unique Key
6	lnk	String	URL of Official Website

## **8.ClsLaborModel**

<b>ClsLaborModel</b>			
No	Field Name	Data type	Description
1	lname	String	Labor name
2	lmo	String	Labor Mobile No.
3	lloc	String	Labor location
4	lwages	String	Labor wages
5	key	String	Unique Key
6	ldes	String	Description About Work
7	ldate	String	Date of Work

## **9.ClsNewsModel**

<b>ClsNewsModel</b>			
No	Field Name	Data type	Description
1	headline	String	Headline Of news
2	link	String	Link to news-site
3	description	String	Description about news
4	img	String	Tab Image of news
5	key	String	Unique Key

## **10.ClsOrderModel**

<b>ClsOrderModel</b>			
No	Field Name	Data type	Description
1	clsEcommModel	object	Object of product that is ordered
2	mo	String	Mobile no of Buyer
3	address	String	Delivery Address
4	qty	String	Ordered Quantity
5	key	String	Unique Key
6	date	String	Date of order
7	name	String	Name of customer
8	time	String	Time of order

9	PaymentMode	String	(Online,COD)
10	PaymentId	String	Unique id of payment
11	PaymentStatus	String	Status of payment

## **11. ClsToolsAccessoriesModel**

ClsToolsAccessoriesModel			
No	Field Name	Data type	Description
1	key	String	Key
2	category	String	Category of Product
3	pname	String	Product name
4	price	String	Price of Product
5	month	String	Usage of Product in month
6	state	String	State of Origin
7	mo	String	Mobile number Of seller
8	district	String	District of Origin
9	tehsil	String	Tehsil of Origin
10	village	String	Village of Origin
11	desc	String	Description About Product
12	img	String	Image Of product
13	umo	String	Mobile Of uploader
14	date	String	Date Of Upload
15	sname	String	Seller Name

## **12. ClsVacancyModel**

ClsVacancyModel			
No	Field Name	Data type	Description
1	key	String	Unique Key
2	oname	String	Name of Recruiter (Owner)
3	ocan	String	Owner Contact Number
4	twork	String	Type of work
5	wtype	String	Wage type (Fix, Partnership)
6	eamt	String	Expected Earning amount
7	wdur	String	Work duration
8	district	String	District of Origin
9	tehsil	String	Tehsil of Origin
10	village	String	Village of Origin
11	des	String	Description about work to do
12	state	String	State of Origin
13	umo	String	Mobile No of Publisher
14	date	String	Publish Date

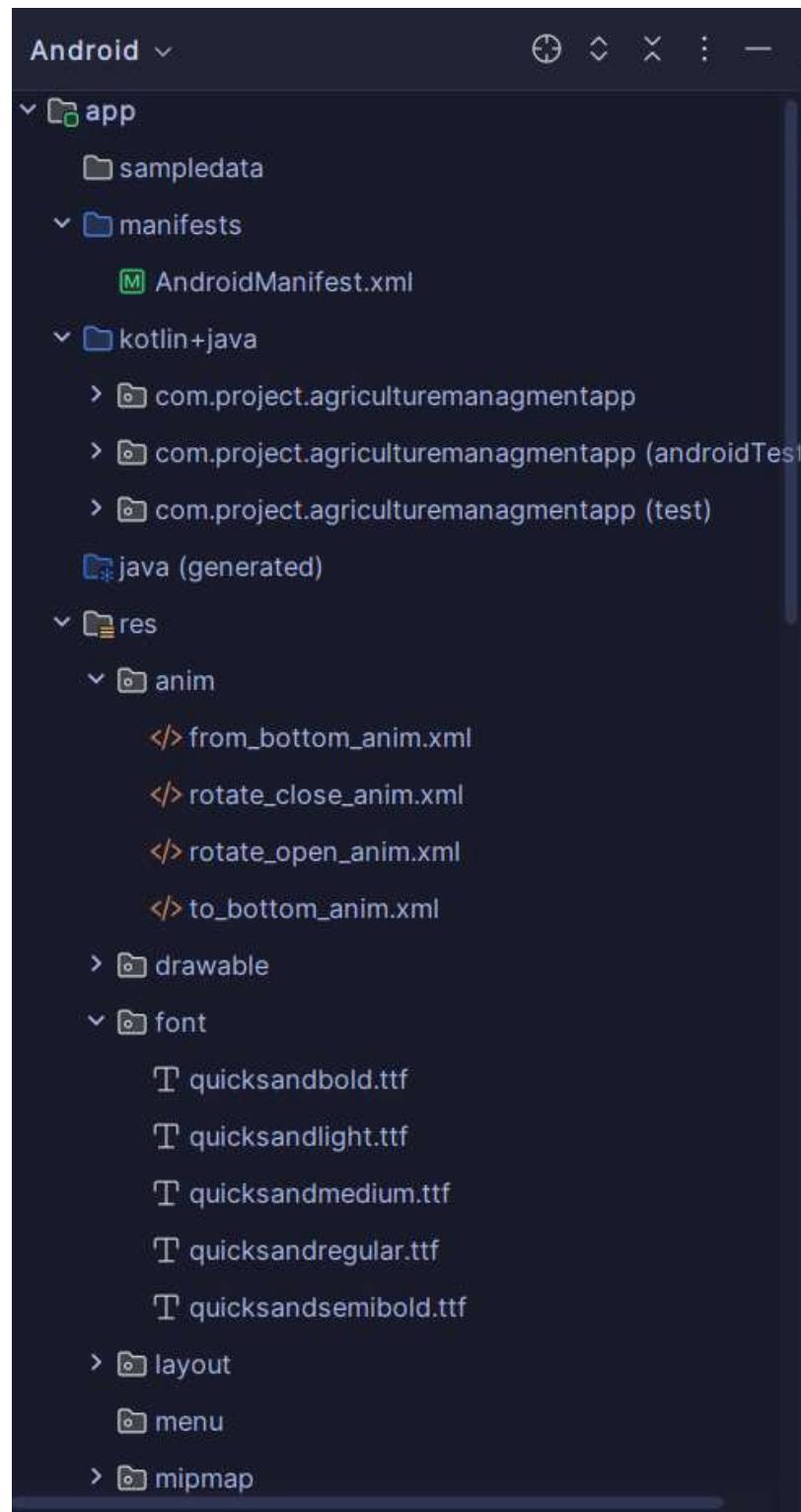
## **13. ClsChatModel**

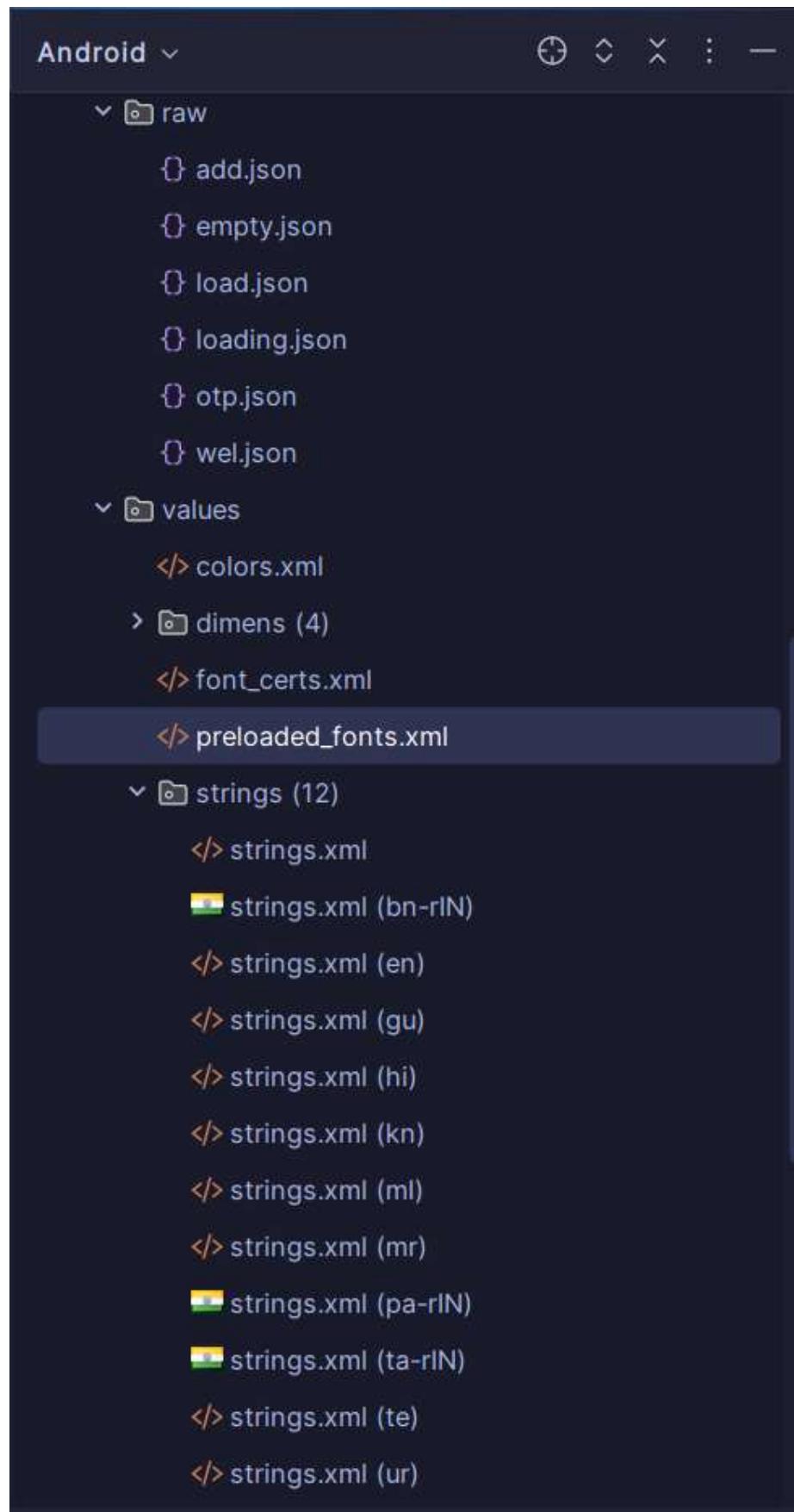
ClsChatModel			
No	Field Name	Data type	Description
1	key	String	Unique Key
2	msg	String	Chat Message
3	smo	String	Sender Contact Number
4	rmo	String	Reciever Contact Number
5	date	String	Send Date
6	time	String	Send TIme
7	img	String	Chat Image

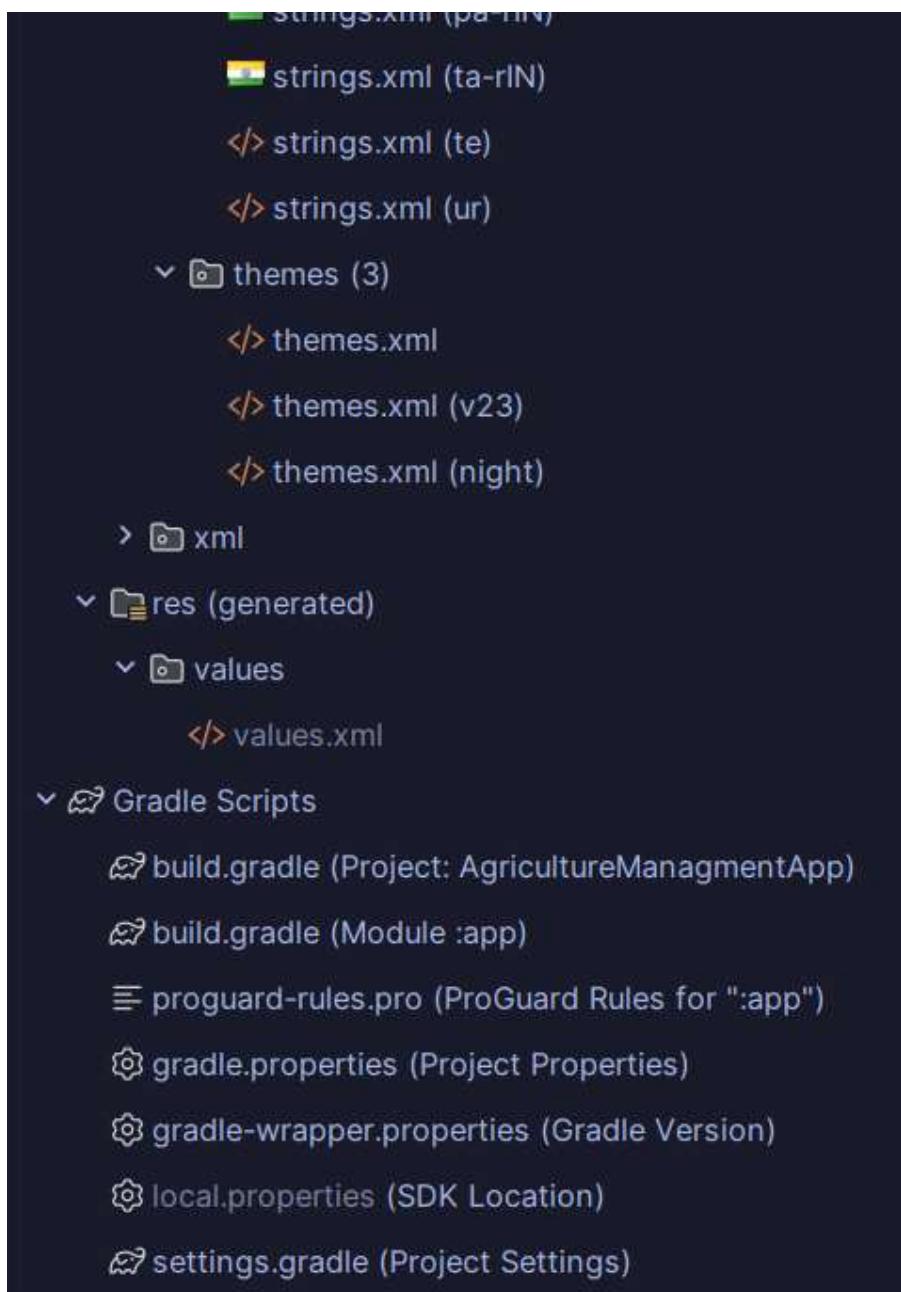
## **14. clsaiconversation**

clsaiconversation			
No	Field Name	Data type	Description
1	imguri	String	Image data
2	query	String	queryMessage
3	isai	Boolean	Sent By ai or not

## 6.2 DIRECTORY STRUCTURE







## ❖ Activities

Java File	Xml File
add_admin	activity_add_admin.xml
add_animal	activity_add_animal.xml
add_cultivation_product	activity_add_cultivation_product.xml
add_ecomm	activity_add_ecomm.xml
add_feed	activity_add_feed.xml
add_gov_scheme	activity_add_gov_scheme.xml
add_labour	activity_add_labour.xml
add_labour_vacancy	activity_add_labour_vacancy.xml
add_news	activity_add_news.xml
add_tools_accesories	activity_add_tools_accesories.xml
admin_animal	activity_admin_animal.xml
admin_cultivation	activity_admin_cultivation.xml
admin_ecom	activity_admin_ecom.xml
admin_home	activity_admin_home.xml
admin_resell_category	activity_admin_resell_category.xml
admin_tools	activity_admin_tools.xml
AI	activity_ai.xml
animal_category_Activity	activity_animal_category.xml
Cart	activity_cart.xml
category_cultivation	activity_category_cultivation.xml
chat	activity_chat.xml
ChatList	activity_chat_list.xml
ConfirmOrder	activity_confirm_order.xml
Contact_us	activity_contact_us.xml
EditprofileActivity	activity_editprofile.xml
Explore_User	activity_explore_user.xml
govermentScheme	activity_goverment_scheme.xml
Home	activity_home.xml
Language	activity_language.xml
MainActivity	activity_main.xml
MyOrder	activity_my_order.xml
MyProfile	activity_my_profile.xml
Navigation	activity_navigation.xml
news	activity_news.xml
orderbydate	activity_orderbydate.xml
OTP	activity_otp.xml
Posts	activity_posts.xml

Resell_Category	activity_resell_category.xml
Saved	activity_saved.xml
show_CultivationProduct	activity_show_cultivation_product.xml
show_ecom_prdt	activity_show_ecom_prdt.xml
Show_Follower	activity_show_follower.xml
splashActivity	activity_splash.xml
Term_Conditions	activity_term_conditions.xml
User_list	activity_user_list.xml
User_option	activity_user_option.xml
User_output	activity_user_output.xml
Write_share	activity_write_share.xml

## ❖ Fragments

Java File	Xml File
animals	fragment_animals.xml
Cultivation_Product	fragment_cultivation__product.xml
E_commrce	fragment_e_commrce.xml
FollowList	fragment_follow_list.xml
frghome	fragment_frghome.xml
Labour_Management	fragment_labour__management.xml
MyProducts	fragment_my_products.xml
MyVacancy	fragment_my_vacancy.xml
Myfeed	fragment_myfeed.xml
Other_vacancy	fragment_other_vacancy.xml
Resell	fragment_resell.xml
ShowFeed	fragment_show_feed.xml
tools_accesories	fragment_toos_accesories.xml
Cancelled_order	fragment_Cancelled_order.xml
datewiseorder	fragment_datewiseorder.xml

## ❖ Layout Resource File

XmlLayoutFile
lyt_add_feed_category.xml
lyt_ai_conversation_tabs.xml
lyt_animal_tab.xml
lyt_comment.xml
lyt_comment_sheet.xml
lyt_delete_dg.xml
lyt_dlt_msg.xml
lyt_ecom_filter.xml
lyt_ecom_tb.xml
lyt_edit_option_sheet.xml
lyt_feed.xml
lyt_gov_scheme.xml
lyt_green_toast.xml
lyt_img.xml
lyt_labor.xml
lyt_loading_dg.xml
lyt_msg_info.xml
lyt_news.xml
lyt_red_toast.xml
lyt_resell.xml
lyt_schema_feed.xml
lyt_user.xml
lyt_vacancy.xml
lyt_view_animal_sheet.xml
lyt_view_order_sheet.xml
lyt_view_tools_sheet.xml

## ❖ ModelClass

JavaModelClass
clsaiconversation
clsAnimalModel
clsChatModel
clsCommentModel
clsCultivationProductModel
clsEcommModel
clsFeedModel

clsgovmodel
clsLaborModel
clsNewsModel
clsOrderModel
clsToolsAccessoriesModel
clsUserModel
clsVacancyModel

## ❖ RecycleviewAdapter

RecycleviewAdapter
RcAiConversationAdapter
RcAnimalAdapter
RcChatAdapter
RccommentAdapter
RcCultivatonPrdtAdpter
RcEcommAdapter
RcFeedAdapter
RcGovAdapter
RcImageGridAdapter
RcLabourAdapter
RcnewsAdapter
RcorderAdapter
RcToolsAccesoriesAdapter
RcuserAdapter
RcVacancyAdapter

## ❖ ViewPagerAdapter

ViewPagerAdapter
VpAdapterResell
VpFollowerAdapter
VpHomeAdapter
VpProfileAdapter
VporderAdapter

## 6.3 INPUT Layouts

### ❖ Login (User&Admin)

<b>Select Language</b>  English <input checked="" type="radio"/>  हिन्दी <input type="radio"/>  ગુજરાતી <input type="radio"/>  தமிழ் <input type="radio"/>  ಕನ್ನಡ <input type="radio"/>  اردو <input type="radio"/>  తెలుగు <input type="radio"/>  বাংলা <input type="radio"/>  ਪੰਜਾਬੀ <input type="radio"/>  മലയാളം <input type="radio"/>  मराठी <input type="radio"/>  	<b>Select Language</b>  ಕನ್ನಡ <input type="radio"/>  اردو <input type="radio"/>  తెలుగు <input type="radio"/>  বাংলা <input type="radio"/>  ਪੰਜਾਬੀ <input type="radio"/>  മലയാളം <input type="radio"/>  मराठी <input type="radio"/>  	<b>Login</b>  Name  Name  Mobile no.  Mobile no.
<b>Login</b>  Name  abhi dhameliya  Mobile no.  9737063396	OTP Sent To 9737063396  OTP Sent To 9737063396  Code sent Successfully	OTP Sent To 9737063396   Verify Otp

## ❖ Feed (User)

The image displays two screenshots of the AgroCare mobile application's user feed. The top screenshot shows the main feed page with a post from 'Kishan' featuring a photo of a farmer in a field. The bottom screenshot shows the same post with a large red heart icon overlaid, indicating it has been liked.

**AgroCare**

Kishan

My Network

Explore Feed

AgroCare

Kishan

My Network

My Network

The life of a farmer is very simple and rooted to the ground

abhi dhameliya 21/3/2024

Like

Damjibhai

abhi dhameliya

Kishan

**AgroCare**

Kishan

what's the price for 1 kg..

Hiren Bhalani  
\_harryyyy\_

Today 12:47 pm

Comments

Choose App

- Quick Share
- ShareMe
- WhatsApp
- Chats
- Chrome
- News Feed
- Your groups
- Drive

Cancel

<https://firebasestorage.googleapis.com>

**AgroCare**

Kishan

My Network

Indian government is planning to reban from onions. keep stock to get profits.

Damjibhai  
21/2/2024

**Add Post**

ORGANIC FROM THE FIELD TO YOUR TABLE

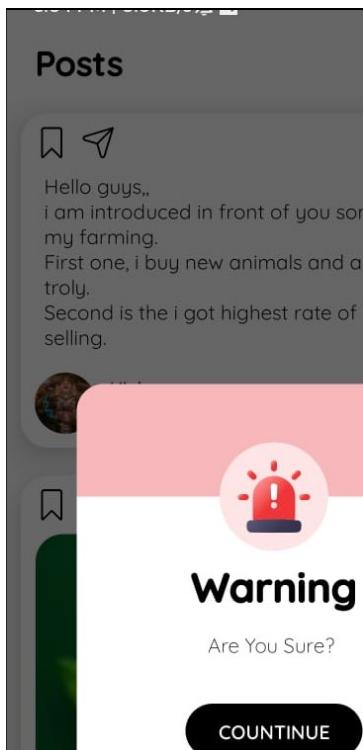
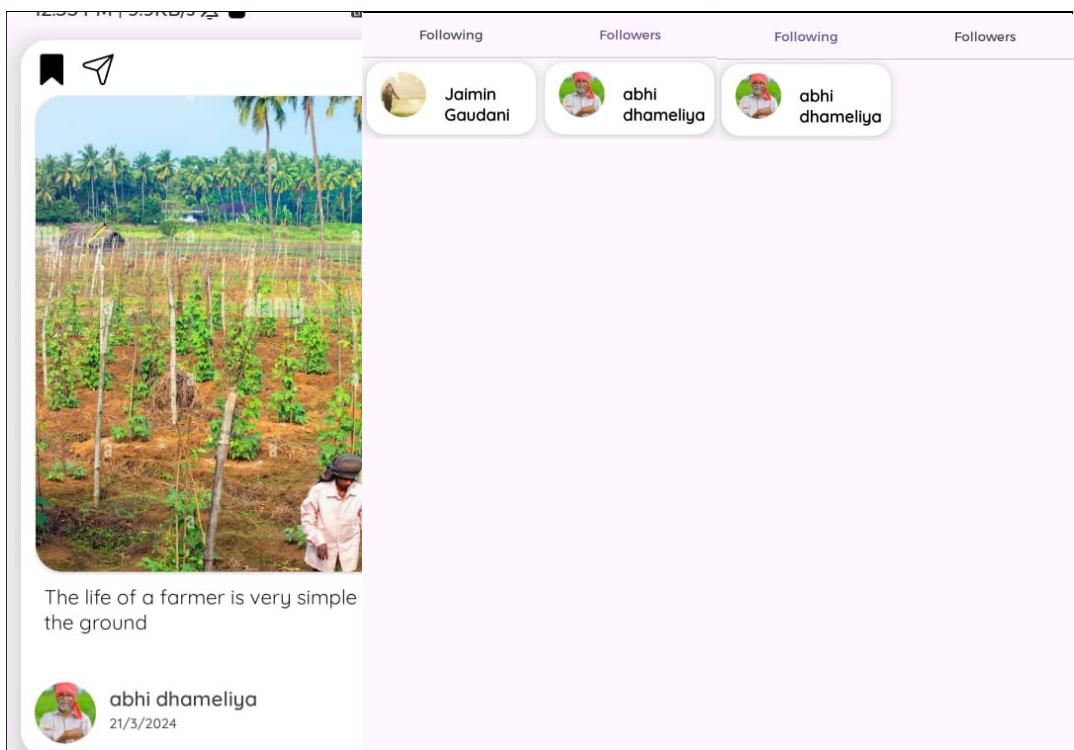
FARM

**Description**

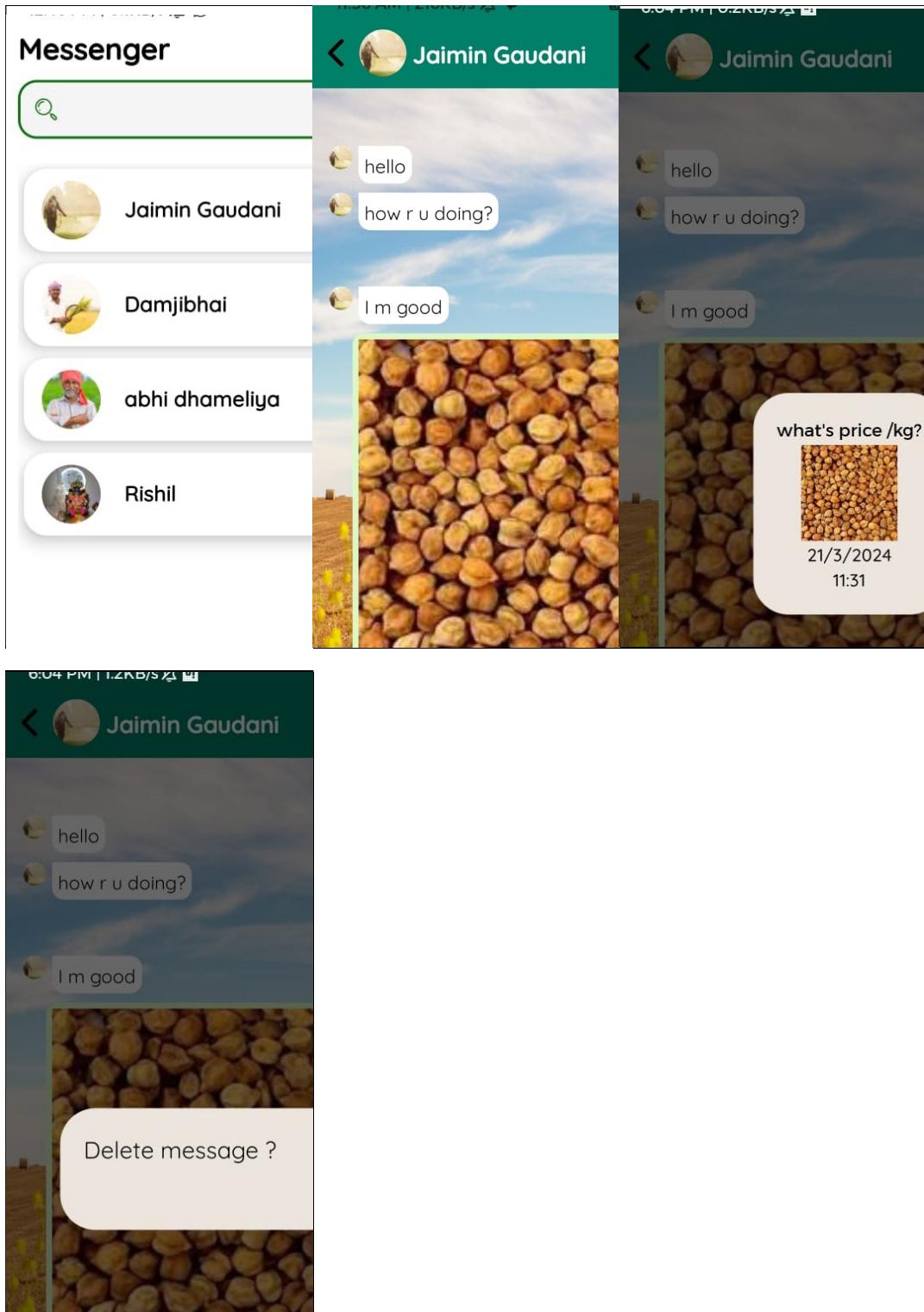
**Write And Share**

Enter something to share

Hello guys,,  
i am introduced in front of you news related my farming.  
First one, i buy new animals tractor with trolley.  
Second is the i got highest record cotton in selling!



## ❖ Chat (User)



## ❖ Vacancy (User)

**AgroCare**

Damjibhai

Rishil Date : 21/3/2024

- Harsh
- Unload the goods
- Fix Wages
- 10Month
- ₹150000
- sihor,Sihor,Bhavangar,Gujarat
- for more details contact me.

Kishan

### Add Vacancy

**Name**  
Haribhai

**Mobile no.**  
7229005896

**Type of Work**  
Collect cotton

Fix Wages  On Part

**Expected Annual Income**  
150000

**Work Duration(In Month)**  
12

**State**  
Gujrat

**District**  
Bho

### All contacts

**K** Kishan Bhuv  
Mobile +91 98249 45298

- Create new contact**
- Add to a contact**
- Video call**
- Send a message**

**+91 98249 45**

1 2 ABC

### Abhi dhameliya

1 Followers, 4 Follo

**EDIT PROFILE** **MES**

**Abhi dhameliya**  
Date : 21/3/2024

vasharam vagahni  
animal caretaker  
Fix Wages  
9Month  
₹300000

## ❖ LabourManagement (User)

The screenshot shows a mobile application interface for managing workers. On the left, there is a worker profile for "Damjibhai" with a placeholder image of a person holding a bunch of wheat. The profile shows 2 Followers and 1 Following. Below the profile are buttons for "EDIT PROFILE" and "MESSAGE". To the right of the profile is a search bar with a magnifying glass icon. Underneath the search bar is a card for "Shyamjibhai" with details: phone number 9510500595, location Kali Vadi, and rating "Excellent" with a thumbs-up icon. At the bottom of the profile section is a button labeled "Kantamaci".

**Add Worker**

**Name**  
Kanti Bhai

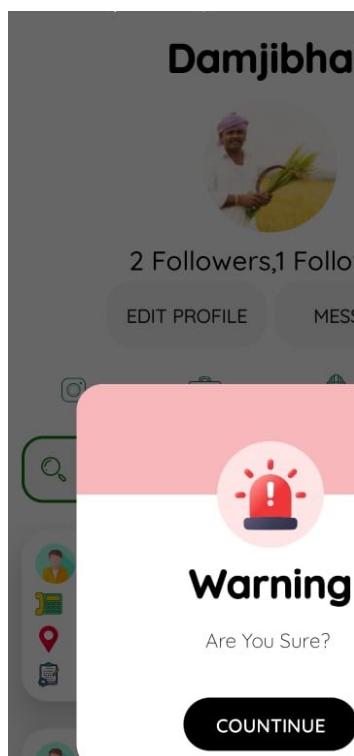
**Mobile no.**  
6353007116

**Place of work**  
Moti Vadi

**Wages**  
500

**Description**

Saturday, 17 Feb • 8:34 am  
Texting with Vasu (SMS/MN)  
Dear Customer, +916353007116 is available to take calls.  
Yesterday • 12:31 pm  
Dear Customer, +916353007116 is available to take calls.  
6:12 pm  
Hello Kanti Bhai,  
Your wages details  
Name of worker : Kanti Bhai  
Location of Work : Moti Vadi  
Date : 21/3/2024  
Wages : 500



## ❖ Resell (User)

**Cultivator tractor**  
Usage : 30 Month  
Price: ₹500000

**TRACTOR**  
Usage : 3 Month  
Price: ₹300000

**Red German**

**Walking Tractor**  
Usage : 8 Month

**Buffalo**  
buffalo  
100000

**Sheep**  
sheep  
50000

**Cow**  
gir  
125000

**Ox**  
Chillinghan  
600000

**Chana**  
38 K.G.  
Price: ₹19/K.G.

**Mango**  
250 K.G.  
Price: ₹700/K.G.

**Oats**  
7 K.G.

**pomegranate**  
200 K.G.

**apple**

Category Fruits	Seller name damjibhai	Mobile no. 635504594
Specie kashmiri apple	Quantity(In kg) 1000	Mobile no. 635504594
Price(In kg) 70	Total Payment 70000	

**apple**

Category Fruits	Seller name magan lal	Mobile no. 635504594
Specie kashmiri apple	Quantity(In kg) 1000	Total Payment 80000
State surat	District surat	city/town/village mota varacha
Tehsil mota varacha		surat
Description kashmiri apple we accept bulk quantity orders		

**Cow**

Price ₹90000	Seller name magan lal	Mobile 635504594
Specie gir cow	Age 10Year2Month	
Weight 200KiloGram	Production(ltr/unit) 8	

**Cow**

Price ₹80000	Seller name chapakbhai	Mobile 635504594
Specie gir	Age 10Year5Month	
Weight 250KiloGram	Production(ltr/unit) 10	

**Address**  
surat,kamrej,surat,gujarat

**Description**  
gir bread  
huge milk quantity produce  
healthy gir cow

**TRACTOR**

Category Tools	Seller name chandubhai	Mobile no 635504594
Usage 3	Total Payment 300000	
State gujarat	District surat	

**TRACTOR**

Category Tools	Seller name chandubhai	Mobile no 635504594
Usage 3	Total Payment 300000	
State gujarat	District surat	

**RISHIL Clg**  
last seen today at 4:11 pm

17 July 2023

Messages and calls are end-to-end encrypted. No one outside of this chat, not even WhatsApp, can read or listen to them. Tap to learn more.

10 March 2024

Messages and calls are end-to-end encrypted. No one outside of this chat, not even WhatsApp, can read or listen to them. Tap to learn more.

Today

Hello damjibhai,  
I am interested in your Product apple

4:20 pm ✓

All contacts

- Home  
Mobile +916355045943
- Jemin  
Mobile +91 6355 045 943
- Create new contact
- Add to a contact
- Video call

+91 6355 045 943

1 2 3  
4 5 6  
7 8 9  
\* 0 #

Call

**Category**

**Animals**

**Foods**

**Equipments**



Foods



Equipments

## Choose Animal

	Cow
	Sheep
	Buffalo



Sheep



Buffalo



Goat



Chicken



Horse



Camel

### Cow

specie	
gir	
Year	Month
10	5
Milk	Weight
10	250
Seller name	
chapakbhai	

Tehsil  
kamrej

city/town/  
surat

Description  
gir bread  
huge milk quantity produce  
healthy gir cow|

**CHOOSE IMAGE**



**SAVE DETAIL**

## Choose Category

Grains



Fruits

Pulses



Vegetables

## Fruits



Product\_Name

apple

specie

kashmiri apple

Qauntity

1000

Price

1000                  70

Seller name

damjibhai

Mobile no.

6355045943

State

gujarat                  surat

District

katargam                  surat

Tehsil

city/town/

Description

organic kashmiri apple

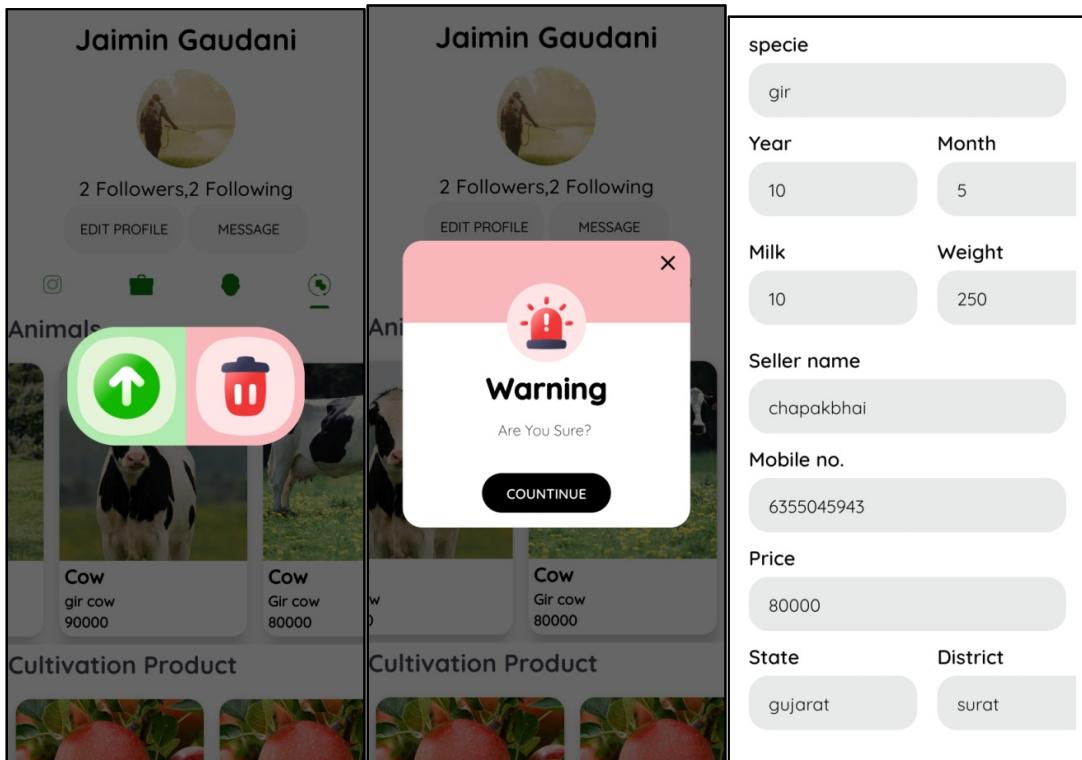
CHOOSE IMAGE



SAVE DETAIL

 <p><b>Foods</b></p> 	<p><b>Tools and Accesories</b></p> <p>Tools Accessories P Vehicles Other</p> <p>Month 12</p> <p>Seller name damjibhai</p> <p>Mobile no. 6355045943</p> <p>Price 200000</p> <p>State      District Gujarat      surat</p>	<p><b>Tools and Accesories</b></p> <p>Vehicles Tractor</p> <p>Month 12</p> <p>Seller name damjibhai</p> <p>Mobile no. 6355045943</p> <p>Price 200000</p> <p>State      District Gujarat      surat</p>
---	--	--

<p>Tehsil      city/town/ surat      katargam</p> <p>Description well maintained best condition</p> <p><b>CHOOSE IMAGE</b></p> 
<p><b>SAVE DETAIL</b></p>



**State** gujarat      **District** surat

**Tehsil** katargam      **city/town/** surat

**Description** healthy cow produce huge milk quantity



**UPDATE ITEM**

### Grains



**Product\_Name** apple

**specie** kashmiri apple

<b>Qauntity</b> 1000	<b>Price</b> 70
----------------------	-----------------

**Seller name** damjibhai

**Mobile no.** 6355045943

**UPDATE ITEM**

Tools and Accesories	
Vehicles	
Product Name	
Tractor	
Month	
12	
Seller name	
damjibhai	
Mobile no.	
6355045943	
Price	
200000	
State	District
Gujarat	surat
State gujarat District surat	
Tehsil kamrej city/town/ ... surat	
Description	
3 month used well maintained	
	
UPDATE ITEM	

## ❖ Ecommerce

**AgroCare**

Rishil

Tools and Equipment

15% Less  
Swaraj 855 FE  
₹340000

15% Less  
Agriculture Tool Kit  
₹13000

10% Less  
Mild steel agriculture tractor  
₹20000

15% Less  
Agrovision Hand Wheel Hoe with attachment  
₹2500

**Details**

CGST  
18.0%

SGST  
18.0%

Discount  
15.0%sh

**Agrovision Hand Wheel Hoe with attachment**

₹2500  
-NUIFCj4OgsQ3Er7hO-

**Specification**  
This versatile and efficient tool is designed to revolutionize your agricultural practices, making your tasks easier and more productive.

**Description**  
The Ultimate Farming Tool Enhance your farming experience with the Agrovision Hand Wheel Hoe with Attachment.

**ADD TO CART** **GO TO CART**

**Customer Information**

Rishil  
9879295483

**Deliver to :**  
55,RK Society, surat

**Price Details**

Order Amount :	7500.0
CGST :	18.0
SGST :	18.0
Shipping Charges:	120
Discount :	15.0
Payable Amount : 9195.0	

**Payment Mode**

Cash On Delivery

digital payment

**ORDER CONFIRM**



**Hand Wheel  
Hoe with  
attachment**

2500

Quantity: 3.0

The Ultimate Farming Tool Enhance your farming experience with the Agrovision Hand Wheel Hoe with Attachment.

**Customer Information**

Rishil  
9879295483

**Deliver to :**

55,RK Society, surat

**Price Details**

Order Amount	:	10000.0
CGST	:	9.0
SGST	:	9.0
Shipping Charges:	:	120
Discount	:	20.0

Payable Amount : 9920.0

**Price Details**

Order Amount	:	7500.0
CGST	:	18.0
SGST	:	18.0
Shipping Charges:	:	120
Discount	:	15.0

Payable Amount : 9195.0

**Payment Mode**

-  Cash On Delivery
-  digital payment

**ORDER CONFIRM**

₹ 10,000  
[View Details](#)

**Pay Now**



Payment successful

₹ 10,000

**Order Summary**

<



**Agrovision  
Hand Wheel  
Hoe with  
attachment**

2500

Quantity: 3.0

The Ultimate Farming Tool Enhance your farming experience with the Agrovision Hand Wheel Hoe with Attachment.

**Customer Information**

Rishil  
9879295483

**Deliver to :**

55,RK Society, surat

**Price Details**

Order Amount	:	7500.0
CGST	:	18.0
SGST	:	18.0
Shipping Charges:	:	120
Discount	:	15.0

Payable Amount : 9195.0

**AgroCare**

Mar 21, 2024 | 12:31 PM

UPI | pay\_NounzjIzeZmnsk   
© Visit razorpay.com/support for queries

[Redirecting in 4 seconds...](#)

**My Order**

<p>Mild steel agriculture tractor 20000</p>	<p>Haldhar SEEDS 2000</p>
---	-----------------------------------

**Cancel Order**

<p>Agrovision Hand Wheel Hoe with attachment 2500</p>	<p>Agriculture Tool Kit 13000</p>
---	---

shanks) that pierce the soil as they are dragged through it linearly. It also refers to machines that use the rotary motion of disks or teeth to accomplish a similar result.

**Customer Information**

Rishil  
9879295483

**Deliver to :**  
55.RK Society, surat

**Price Details**

Order Amount :	20000.0
CGST :	9.0
SGST :	9.0
Shipping Charges:	120
Discount :	10.0

Payable Amount : 21720.0

**Order Id**  
-NtV4c7ob\_\_XM9TtG4tv

**Payment Mode**  
COD

CANCEL ORDER

**My Order**

<p>Haldhar SEEDS 2000</p>
-----------------------------------

**Cancel Order**

<p>Mild steel agriculture tractor 20000</p>	<p>Agrovision Hand Wheel Hoe with attachment 2500</p>
---	---

## ❖ Home: News & Weather Detail & Search User (User)

**AgroCare**

Abhi

28.06°C

20% 44% 4000 4.63m/s 1011.0 haze

**News**

**non-basmati rice price down**  
Bharat rice is being sold in 5 kg and 10 kg packs, at a price of Rs 29 per kg, through the

**Duo quits high-paying**  
In less than a Alappuzha's R.K.G. and Renjith Das started selling

**AgroCare**

Damjibhai

24.94°C

98% 31% 10000 3.7m/s 1010.0

**News**

**non-basmati rice price down**  
Bharat rice is being sold in 5 kg and 10 kg packs, at a price of Rs 29 per kg, through the

**Search user**

Jaimin Gaudani

Damjibhai

Abhi

Kishan

Rishil

## ❖ Government Scheme

**Scheme**

**Agriculture Infrastructure Fund Scheme**

**Description:**

Under the scheme, Rs. 1 Lakh Crore will be provided by banks and financial institutions as loans with interest subvention of 2% per annum and credit guarantee coverage under CGTMSE for loans up to Rs. 1 Lakh Crore. Further, each entity is eligible to benefit of the scheme for up to 100% of its projects located in different LGD codes.

**National Agriculture... NAFF**

**Department of Agriculture, Farmers Welfare & Kisan Samruddhi**

**National Agricultural Financing Facility**

please visit [www.sampada-ma.gov.in](http://www.sampada-ma.gov.in)

❖ Farmer Friend

 Farmer Friend

 hi

 Hello! How can I help you today?





what is this disease?

 This is a picture of a potato pl

### ❖ Navigation (User)

The first two screenshots show a navigation bar with a back arrow and the text "My Prof". The third screenshot shows a user profile for "Abhi dhameliya" with a photo of a man in a red turban, 1 follower, 4 following, edit profile, and message buttons.

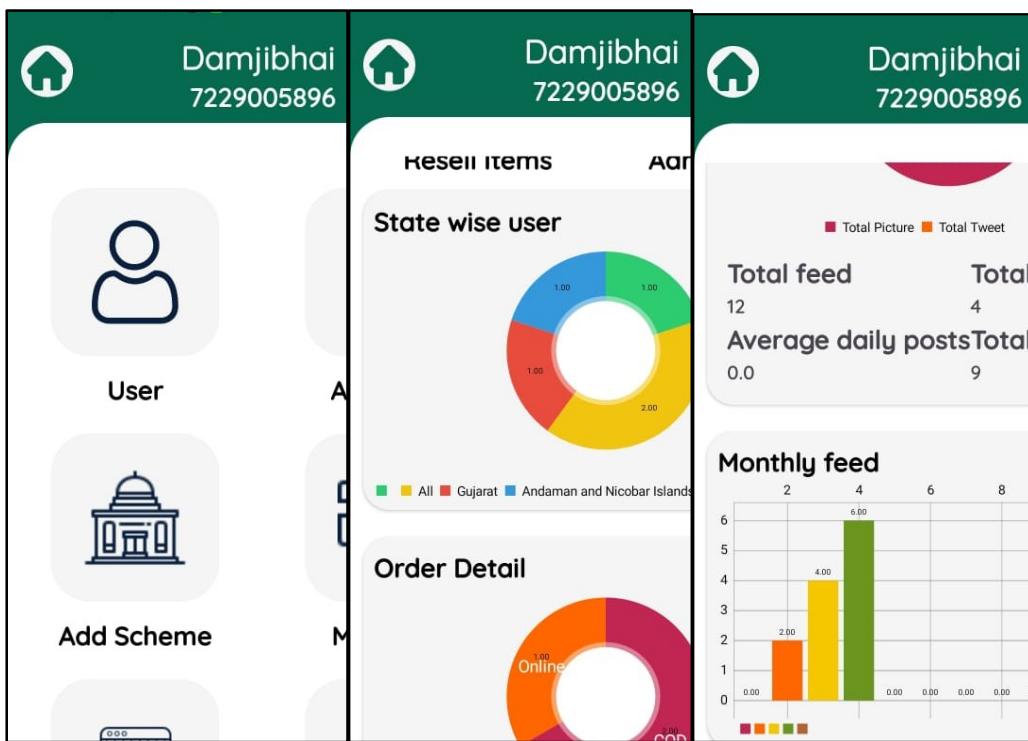
abhi +91 9876543210	Goverment scheme	1 Followers, 4 Following

The left screenshot shows a "Select Language" screen with options: English, हिन्दी, ગુજરાતી, தமிழ், and ಕನ್ನಡ. The right screenshot shows another "Select Language" screen with options: ಕನ್ನಡ, اردو, తెలుగు, বাংলা, and پنجابی. The right side also features a text input field with placeholder "Write Something Here...", and sharing icons for WhatsApp, Telegram, and Email.

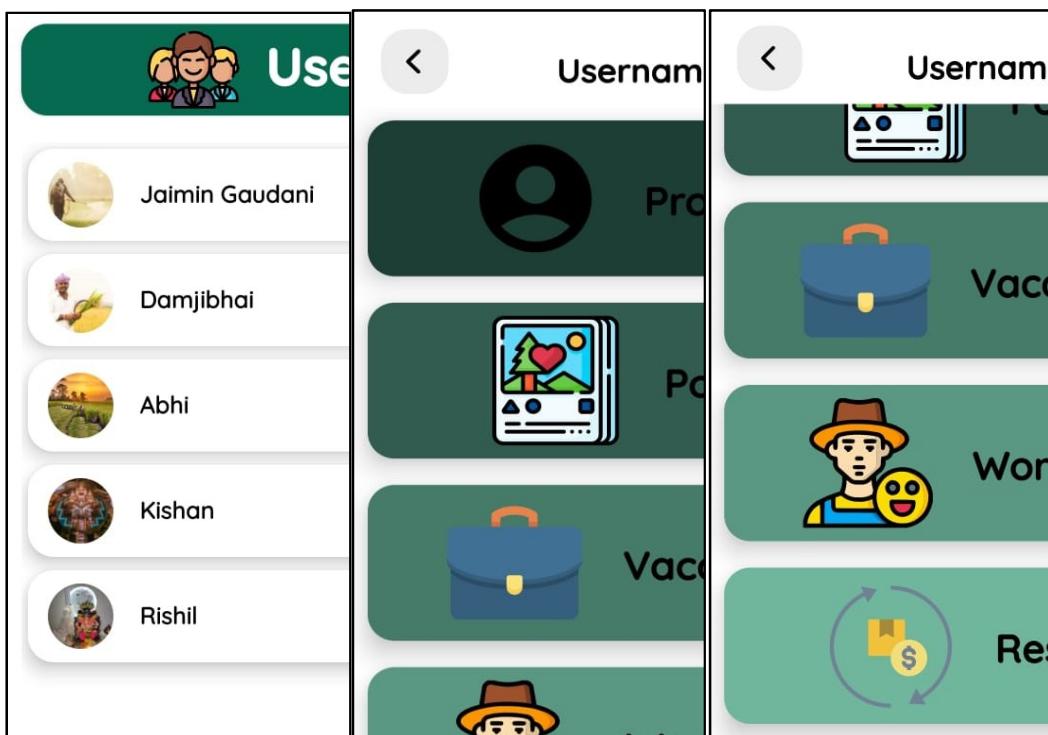
### ❖ EditProfile (user)

 <p>Name Abhi dhameliya</p> <p>E-mail abhi.dhameliya111@gmail.com</p>	<p>Mobile number 9737063396</p> <p>Date of birth  1/1/20</p> <p>Gender <input checked="" type="radio"/> Male <input type="radio"/></p> <p>State</p>	<p>Mobile number 9737063396</p> <p>Date of birth  1/1/20</p> <p>Gender <input type="radio"/> Male <input checked="" type="radio"/></p> <p>State</p>
--	--	--

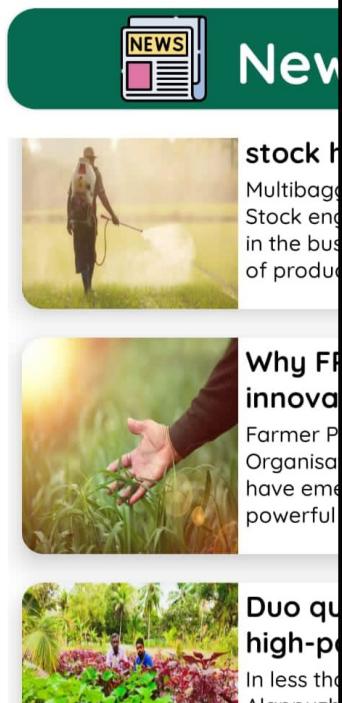
## ❖ Home (Admin)



## ❖ Explore User (Admin)



## ❖ Add News (Admin)



The news app interface shows a list of three news items:

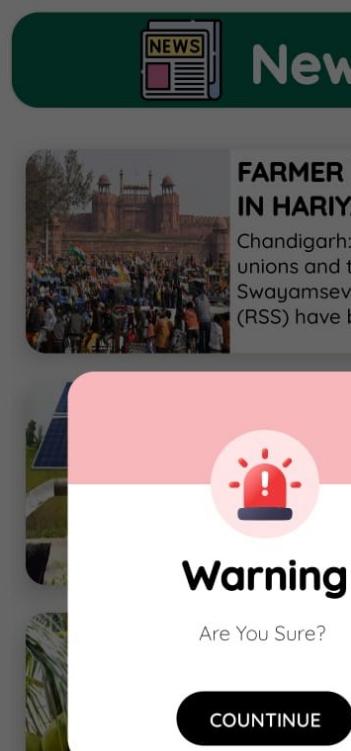
- Headline:** stock h  
Multibag Stock en  
in the bus  
of produc
- Why FP innova**  
Farmer P  
Organisa  
have eme  
powerful
- Duo qu high-p**  
In less tha

### Add news



The news entry form includes:

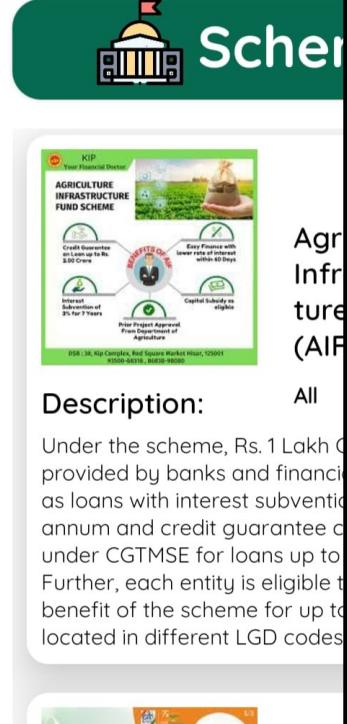
- Headline:** non-basmati rice price in a month
- Link:** [https://m.economictimes.com/news/economy/agriculture/basmati-rice-prices-doubled-in-a-month/amp\\_articleshow/108617486.cms](https://m.economictimes.com/news/economy/agriculture/basmati-rice-prices-doubled-in-a-month/amp_articleshow/108617486.cms)
- Description:** non-basmati rice price



A warning dialog box displays:

- FARMER IN HARIYANA:** Chandigarh: Farmer unions and the Swayamsevak Sangh (RSS) have b...
- Warning:** Are You Sure?
- COUNTINUE**

## ❖ Add Government Scheme (Admin)

 <p><b>Description:</b> All</p> <p>Under the scheme, Rs. 1 Lakh Credit Guarantee is provided by banks and financial institutions as loans with interest subvention of 3% annum and credit guarantee of 75% under CGTMSE for loans up to Rs. 1 Lakh. Further, each entity is eligible to benefit of the scheme for up to 3 loans located in different LGD codes.</p>	 <p><b>Scheme name</b> Pradhan Mantri Kisan Maanay Yojna (PMKMY)</p> <p><b>Link</b> <a href="https://maandhan.in/">https://maandhan.in/</a></p>	<p><b>Scheme name</b> Pradhan Mantri Kisan Maanay Yojna (PMKMY)</p> <p><b>Link</b></p> <p><b>Description</b> Pradhan Mantri Kisan Maanay Yojna (PMKMY) is a central government scheme launched on 12 September 2019 to provide security to the most vulnerable farmer families. PM-KM is a contributory scheme, so marginal farmers (SMF) who meet exclusion criteria, can become member of the scheme.</p>
 <p><b>Warning</b></p> <p>Are You Sure?</p> <p><b>COUNTINUE</b></p>		

## ❖ Manage order (Admin)

**Select date :** 21-3-2024



**HALDAR SEEDS**  
2000



**Swaraj 855 FE**  
340000



**Mild steel agriculture tractor**  
20000

**Select date :** 21/4/2024



**Agriculture Tool Kit**  
13000



**Compo expert Novatac solub NPK**  
2100



**Agrovision Hand Wheel Hoe with attachment**  
2500

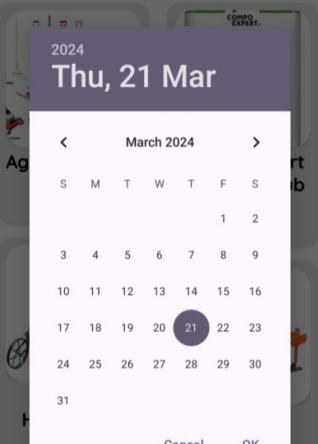


**NovaTec Solub 14-8-30**  
2500

**Order Summary**

	<b>Agriculture Kit</b> 13000 Quantity: : 1
All The tool Describe in picture are kit.	
<b>Customer Information</b>	
Rishil 9879295483	
<b>Deliver to :</b> 55,RK Society, surat	
<b>Price Details</b>	
Order Amount : <b>25000</b>	

**Select date :** 21-3-2024



**Thu, 21 Mar**

Cancel      OK

## ❖ Manage Ecommerce Store (Admin)

**Add Product**

**Choose Product catagory**

Tools and Equipment

**Product\_Name**

Agrovision Hand Wheel Hoe with attachment

**Price**

2500

**CGST**

18

**SGST**

18

**Discount**

15

**Product Description**

The Ultimate Farming Tool Enhance your farming experience with the Agrovision Hand Wheel Hoe with Attachment.

**Add Product**

10

**SGST**

18

**Discount**

15

**Product Description**

The Ultimate Farming Tool Enhance your farming experience with the Agrovision Hand Wheel Hoe with Attachment.

**Specification**

This versatile and efficient tool is designed to revolutionize your agricultural practices, making your tasks easier and more productive.

**Recommendation**

Innovative features and exceptional performance make it a must-have for any farmer or gardener looking to optimize their agricultural practices.

**Add Product**

DESIGNED TO REVOLUTIONIZE YOUR agricultural practices, making your tasks easier and more productive.

**Recommendation**

Innovative features and exceptional performance make it a must-have for any farmer or gardener looking to optimize their agricultural practices.

**CHOOSE IMAGE**







**ADD PRODUCT**

**Store**



15.0% Less

Swaraj 855 FE  
₹340000



15.0% Less

Agriculture Tool Kit  
₹13000



41.0% Less

TIGER N 20  
₹800



10.0% Less

Mild steel agriculture tractor  
₹20000



12.0% Less

Compo expert Novatac solub NPK  
₹1000



20.0% Less

HALDAR SEEDS  
₹600

**Store**



15.0% Less

Swaraj 855 FE  
₹340000



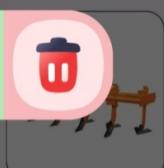
15.0% Less

Agriculture Tool Kit  
₹13000



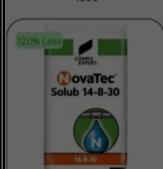
11.0% Less

TIGER N 20  
₹800



10.0% Less

Mild steel agriculture tractor  
₹20000



12.0% Less

Compo expert Novatac solub NPK  
₹1000



20.0% Less

HALDAR SEEDS  
₹600

!

**Warning**

Are You Sure?

**COUNTINUE**

### Update

Choose Product category

Fertilizer

**Product\_Name**

TIGER N 20

**Price**

800

**CGST**

2.0

**SGST**

that gives sulphur that pos

**Specification**

Dosage - 40-50 ML for 15 litre spreay volume.

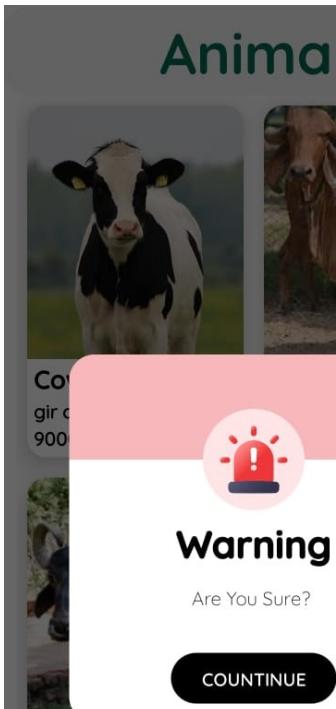
**Recommandation**

This product result was a very useful to buy.

CHOOSE IMAGE

❖ Resell (Admin)

Cultivation Products		Animals		Animals	
					
<b>Pear</b> 500 K.G. Price:₹80/K.G.	<b>StarF</b> 800 K.G. Price:₹60/K.G.	<b>Cow</b> Gir cow 80000	<b>Cow</b> gir cow 90000	<b>Cow</b> Gir cow 80000	<b>Cow</b> gir cow 90000
					



## ❖ Add Admin (Admin)

Meet

9726164696

...

**APPLY**

 Jaimin Gaudani

 Damjibhai

 Abhi

From 12/12/2019 to 07/02/2024 The last missed call was at 12:29 PM on 08-Feb-1  
Thankyou, Team Jio.

Monday, 12 Feb • 10:35 pm

Dear Customer, You have a missed call from +919726164696 The last missed call was at 10:35 PM on 12-Feb-2  
Thankyou, Team Jio.

Monday, 19 Feb • 1:00 pm

Dear Customer, +919726164696 is available to take calls.

6:13 pm

Hello Ramjibhai ,  
Your wages details  
Name of worker : Rishil  
Location of Work : Pimpri Chinchwad  
Date : 21/3/2024

Username : 987929548  
Password : Rishil@9879

✉ RCS chat with Rishil. Learn

Hello,  
Rishil you are the admin  
Username : 9879295483  
Password : Rishil @9879

Saturday, 9 Mar • 10:09 am

New admin 9408725231 have joined  
7229005896

Tuesday • 10:34 am

Dear Customer, You have a missed call from +919879295483 The last missed call was at 10:10 AM on 19-Mar-2  
Thankyou, Team Jio.

## **7. System Testing [Test Cases]**

### **7.1 System Testing**

## 7.1 System Testing

### ❖ Login

Field Test	Test Data	Valid/Invalid	Test Result
<b>Username</b>	Empty	Invalid	Please Enter Name.
	Hiren Bhalani	Valid	Username is valid.
<b>Mobile No.</b>	empty	Invalid	Please Enter Mobile No.
	12345	Invalid	Length of mobile no. must be 10.
	123abc	Invalid	Mobile no should only contain numbers.
<b>Profile Picture</b>	Empty	invalid	Please select a image.
	Image uri	Valid	Image selected and will send to database.

### ❖ Add Animal

Field Test	Test Data	Valid/Invalid	Test Result
<b>specie</b>	Empty	Invalid	Please Enter specie.
	Gir	Valid	Speice is valid.
<b>year</b>	empty	Invalid	Please enter year.
	123	Invalid	Please enter valid year.
	aa	Invalid	Please enter numbers only

	11	valid	Year is valid
<b>month</b>	empty	invalid	Please enter month.
	123	Invalid	Please enter valid year.
	aa	Invalid	Please enter numbers only
	11	valid	year is valid
<b>Milk production</b>	empty	invalid	Please enter milk production.
	aa	invalid	Please enter valid milk production.
	01	valid	Milk production is valid.
<b>Mobile no</b>	Empty	Invalid	PleaseEnterPhone Number
	7016akash	Invalid	Phone Number field containonlynumber format.
	70166527	Invalid	EntervalidPhone Number
	7016652775	Valid	Inputtedtextisvalid Number
<b>Price</b>	Empty	Invalid	Please enter price.
	Abc123	Invalid	Please enter valid price.
	100	valid	Price is valid.
<b>State</b>	Empty	Invalid	Please enter state.
	Gujrat	valid	State is valid.
<b>District</b>	Empty	Invalid	Please enter district.
	Surat	valid	District is valid.
<b>tehsil</b>	Empty	Invalid	Please enter tehsil.
	Kamrej	valid	Tehsil is valid.

<b>City/town/village</b>	Empty	Invalid	Please enter city.
	Simada gam	Valid	City is valid.
<b>Image</b>	Empty	invalid	Please select a image.
	Image uri	Valid	Image is selected and will sent to database.
<b>description</b>	Empty	valid	description is not madatory.
	This is desciption	valid	Description is valid.

### ❖ Add Cultivation Product

<b>Field Test</b>	<b>Test Data</b>	<b>Valid/Invalid</b>	<b>Test Result</b>
<b>Product name</b>	Empty	Invalid	Please enter product name.
	wheat	valid	Product name is valid.
<b>specie</b>	Empty	Invalid	Please Enter specie.
	Bhaliya	Valid	Speice is valid.
<b>Quantity</b>	empty	Invalid	Please enter quantity.
	123aa	Invalid	Quantity must have numeric value.
	aa	Invalid	Quantity must have numeric value.
	11	valid	Quantity is valid.
<b>Price</b>	Empty	Invalid	Please enter price.
	Abc123	Invalid	Please enter valid price.
	100	valid	Price is valid.

<b>Seller name</b>	Empty	Invalid	Please enter seller name.
	Hiren Bhalani	Valid	Seller name is valid.
<b>Mobile no</b>	Empty	Invalid	PleaseEnterPhone Number
	7016akash	Invalid	Phone Number field containonlynumber format.
	70166527	Invalid	EntervalidPhone Number
	7016652775	Valid	Inputtedtextisvalid Number
<b>State</b>	Empty	Invalid	Please enter state.
	Gujrat	valid	State is valid.
<b>District</b>	Empty	Invalid	Please enter district.
	Surat	valid	District is valid.
<b>tehsil</b>	Empty	Invalid	Please enter tehsil.
	Kamrej	valid	Tehsil is valid.
<b>City/town/village</b>	Empty	Invalid	Please enter city.
	Simada gam	Valid	City is valid.
<b>Image</b>	Empty	invalid	Please select a image.
	Image uri	Valid	Image is selected and will sent to database.
<b>description</b>	Empty	valid	description is not madatory.
	This is desciption	valid	Description is valid.

### ❖ Add Tools&Accessories

<b>Field Test</b>	<b>Test Data</b>	<b>Valid/Invalid</b>	<b>Test Result</b>
<b>Product name</b>	Empty	Invalid	Please enter product name
	Tractor	valid	Product name is valid
<b>month</b>	empty	invalid	Please enter month.
	123	Invalid	Please enter valid year.
	aa	Invalid	Please enter numbers only
	11	valid	year is valid
<b>Seller name</b>	Empty	Invalid	Please enter Seller name.
	Hiren Bhalani	Valid	Seller name is valid.
<b>Mobile no</b>	Empty	Invalid	PleaseEnterPhone Number
	7016akash	Invalid	Phone Number field containonlynumber format.
	70166527	Invalid	EntervalidPhone Number
	7016652775	Valid	Inputtedtextisvalid Number
<b>Price</b>	Empty	Invalid	Please enter price.
	Abc123	Invalid	Please enter valid price.
	100	valid	Price is valid.
<b>State</b>	Empty	Invalid	Please enter state.
	Gujrat	valid	State is valid.
<b>District</b>	Empty	Invalid	Please enter district.
	Surat	valid	District is valid.

<b>tehsil</b>	Empty	Invalid	Please enter tehsil.
	Kamrej	valid	Tehsil is valid.
<b>City/town/village</b>	Empty	Invalid	Please enter city.
	Simada gam	Valid	City is valid.
<b>Image</b>	Empty	invalid	Please select a image.
	Image uri	Valid	Image is selected and will sent to database.
<b>description</b>	Empty	valid	description is not madatory.
	This is desciption	valid	Description is valid.

### ❖ Add Vacancy

<b>Field Test</b>	<b>Test Data</b>	<b>Valid/Invalid</b>	<b>Test Result</b>
<b>Name</b>	Empty	Invalid	Please enter name.
	Hiren Bhalani	Valid	Name is valid.
<b>Mobile no</b>	Empty	Invalid	PleaseEnterPhone Number
	7016akash	Invalid	Phone Number field containonlynumber format.
	70166527	Invalid	EntervalidPhone Number
	7016652775	Valid	Inputtedtextisvalid Number
<b>Work type</b>	Empty	invalid	Please select work type.
	Fix wages	valid	Work type selected.
	On partnership	valid	Work type selected.

<b>Annual income</b>	Empty	Invalid	Please enter annual income.
	Abc123	Invalid	Income may only contain numbers.
	100	valid	Income is valid.
<b>Work duration</b>	empty	invalid	Please enter work duration.
	123	Invalid	Please enter valid work duration.
	aa	Invalid	Work duration may only contain numbers.
	11	valid	Work duration is valid.
<b>State</b>	Empty	Invalid	Please enter state.
	Gujrat	valid	State is valid.
<b>District</b>	Empty	Invalid	Please enter district.
	Surat	valid	District is valid.
<b>tehsil</b>	Empty	Invalid	Please enter tehsil.
	Kamrej	valid	Tehsil is valid.
<b>City/town/village</b>	Empty	Invalid	Please enter city.
	Simada gam	Valid	City is valid.
<b>Image</b>	Empty	invalid	Please select a image.
	Image uri	Valid	Image is selected and will sent to database.
<b>description</b>	Empty	valid	description is not madatory.
	This is desciption	valid	Description is valid.

## ❖ Add Labour

<b>Field Test</b>	<b>Test Data</b>	<b>Valid/Invalid</b>	<b>Test Result</b>
<b>Name</b>	Empty	Invalid	Please enter name
	Hiren Bhalani	Valid	Name is valid.
<b>Mobile no</b>	Empty	Invalid	PleaseEnterPhone Number
	7016akash	Invalid	Phone Number field containonlynumber format.
	70166527	Invalid	EntervalidPhone Number
	7016652775	Valid	Inputtedtextisvalid Number
<b>Work place</b>	Empty	invalid	Please enter workplace.
	Lemon farm	valid	Work place is valid.
<b>Wages</b>	Empty	Invalid	Please enter wages.
	Abc123	Invalid	Wages may only contain numbers.
	100	valid	Wages are valid.
<b>Work duration</b>	empty	invalid	Please enter work duration.
	123	Invalid	Please enter valid work duration.
	aa	Invalid	Work duration may only contain numbers.
	11	valid	Work duration is valid.
<b>Date</b>	empty	invalid	Please select date.
	18/03/2024	Valid	Selected date is valid.
<b>description</b>	Empty	valid	description is not madatory.
	This is	valid	Description is

	description		valid.
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### ❖ Add Post

Field Test	Test Data	Valid/Invalid	Test Result
<b>Image</b>	Empty	invalid	Please select A image.
	Image uri	Valid	Image is selected and will upload to database.
<b>description</b>	Empty	valid	description is not mandatory.
	This is description	valid	Description is valid.

### ❖ Write and share

Field Test	Test Data	Valid/Invalid	Test Result
<b>Description</b>	Empty	invalid	please enter some description.
	this is description	Valid	Description is valid.

### ❖ Add News

Field Test	Test Data	Valid/Invalid	Test Result
<b>Headline</b>	Empty	invalid	Please enter headline.
	this is headline	Valid	Headline is valid.
<b>Link</b>	Empty	invalid	Please enter link.
	www.google.com	Valid	Link is valid.

<b>Description</b>	Empty	invalid	Please enter Description
	this is description	Valid	Description is valid.
<b>Image</b>	Empty	invalid	Please select A image.
	Image uri	Valid	Image is selected and will upload to database.

### ❖ Add Government scheme

<b>Field Test</b>	<b>Test Data</b>	<b>Valid/Invalid</b>	<b>Test Result</b>
<b>Scheme name</b>	Empty	invalid	Please enter name of scheme.
	P.M.K.V. Y.	Valid	Headline is valid.
<b>Link</b>	Empty	invalid	Please enter link.
	www.google.com	Valid	Link is valid.
<b>Description</b>	Empty	invalid	Please enter Description
	this is description	Valid	Description is valid.
<b>Image</b>	Empty	invalid	Please select A image.
	Image uri	Valid	Image is selected and will upload to database.

## **Add Government scheme**

<b>Field Test</b>	<b>Test Data</b>	<b>Valid/Invalid</b>	<b>Test Result</b>
<b>Product name</b>	Empty	Invalid	Please enter product name.
	Tractor	valid	Product name is valid
<b>Price</b>	Empty	Invalid	Please enter price.
	Abc123	Invalid	Price may only contain numbers.
	100	valid	Price is valid.
<b>CGST</b>	Empty	Invalid	Please enter cgst rate.
	aa	Invalid	Rate may only contain numbers.
	1a	Invalid	Rate may only contain numbers.
	11	valid	Cgst rate is valid.
<b>SGST</b>	Empty	Invalid	Please enter sgst rate.
	aa	Invalid	Rate may only contain numbers.
	1a	Invalid	Rate may only contain numbers.
	11	valid	sgst rate is valid.
<b>Discount</b>	Empty	Invalid	Please enter discount rate.
	aa	Invalid	Rate may only contain numbers.

	1a	Invalid	Rate may only contain numbers.
	11	valid	discount rate is valid.
<b>Description</b>	Empty	Invalid	Please enter Description
	This is description.	Valid	Description is valid.
<b>Specification</b>	Empty	Invalid	Please enter Specification
	This is description.	Valid	Specification is valid.
<b>Recommendation</b>	Empty	Invalid	Please enter Recommendation
	This is description.	Valid	Recommendation is valid.
<b>Image</b>	Empty	invalid	Please select A image.
	Image uri	Valid	Image is selected and will upload to database.

### ❖ Add Admin

Field Test	Test Data	Valid/Invalid	Test Result
<b>Name</b>	Empty	Invalid	Please enter name.
	Hiren Bhalani	Valid	Name is valid.
<b>Mobile no</b>	Empty	Invalid	PleaseEnterPhone Number
	7016akash	Invalid	Phone Number field containonlynumber format.
	70166527	Invalid	EntervalidPhone Number

	7016652775	Valid	Inputted text is valid Number
<b>Password</b>	Empty	Invalid	Please enter password.
	Hiren@7229005896#0000	Valid	Password is valid.

## ❖ Chat

Field Test	Test Data	Valid/Invalid	Test Result
Message	empty	valid	text is not empty however image is compulsory.
	this is message	Valid	Message is valid.
image	Empty	valid	Image is not selected however text is compulsory.
	Image uri	valid	Image is selected and will upload to database.

## ❖ A.i.

Field Test	Test Data	Valid/Invalid	Test Result
<b>query</b>	empty	invalid	please enter some query text.
	this is message	Valid	Message is valid.
<b>image</b>	Empty	valid	Image is not selected however text is compulsory.

	Image uri	valid	Image is selected and will upload to database.
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### ❖ EditProfile

Field Test	Test Data	Valid/Invalid	Test Result
<b>Name</b>	Empty	Invalid	Please enter name.
	Hiren Bhalani	Valid	Name is valid.
<b>email</b>	Empty	valid	Email is not a compulsory field.
	Hirenbhalani1910@gmail.com	valid	Email is valid.
<b>Date of birth</b>	Not selected	Valid	Dob is not compulsory field.
	19/10/2024	valid	Date of birth is selected and is valid.
<b>gender</b>	Not selected	valid	Gender is not mandatory field.
	Male/female	valid	Gender is selected and is valid.
<b>state</b>	Not selected	valid	State is not mandatory field.
	Gujrat	valid	State is selected

			and is valid.
<b>Address</b>	empty	valid	Address is not mandatory field.
	45 apple squaresurat	valid	Address is valid

## 8 . Limitations and Future Scope of Enhancements

### ❖ Limitation

1. Limited Image Upload: Users can upload only one image per post, potentially hindering comprehensive product or activity representation.
2. Language Support: While the UI is available in 12 Indian rural languages, user-generated content remains untranslated, posing a barrier to communication for non-English speakers.
3. Data Security: Concerns exist regarding the handling and protection of sensitive user information, highlighting the need for robust security measures.
4. Payment Options: The application offers only cash on delivery or online payment methods, limiting user convenience and flexibility in completing transactions.
5. Admin Notification System: Notifications for adding new admins are indiscriminately sent to all existing admins, potentially causing information overload.
6. Personalized Data Filtering: The absence of personalized data filtering may lead to information overload and hinder user engagement.
7. E-commerce Store Functionality: The e-commerce store is partially implemented, resulting in limitations such as a restricted product catalog and incomplete order management features.

8. Report Generation for Admin: The application provides limited functionality for generating reports and accessing comprehensive data analytics for administrators.
9. Trust and Security in C-to-C Transactions: Insufficient measures to ensure trust and security in customer-to-customer transactions may deter users from engaging in peer-to-peer transactions.  
Enhanced Image Upload: Implement functionality for users to upload multiple images per post, enriching visual content and improving product representation.

## ❖ **Future Enhancements**

1. Expanded Language Support: Introduce automatic translation features for user-generated content to break language barriers and promote inclusivity.
2. Improved Data Security Measures: Strengthen encryption protocols and implement advanced security measures to safeguard user data from unauthorized access.
3. Refined Admin Notification System: Implement a targeted notification system for admin activities to streamline communication and reduce unnecessary notifications.
4. Personalized Data Filtering: Introduce personalized data filtering features to prioritize content based on user preferences and interests, enhancing user engagement.
5. Enhanced E-commerce Store Functionality: Focus on expanding the product catalog, integrating additional payment gateways, and optimizing order management features to enhance the e-commerce experience for users.
6. Advanced Reporting and Analytics Features: Implement customizable reporting tools and analytics features for administrators to gain valuable insights and facilitate data-driven decision-making.

7. Trust and Security Mechanisms in C-to-C Transactions:  
Enhance trust and security in customer-to-customer transactions by implementing identity verification, user rating systems, secure payment solutions, and dispute resolution mechanisms.