

Software Engineering Lab

Week 1 Deliverables

Software Requirement Specification Document

FARMERS TRADING

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1. Synopsis

This project aims at developing an android application that would work as a bridge between the farmers who produce crops and the consumers who want to purchase crops from the farmers. The biggest problem for farmers is marketing – as they are not able to sell their produce in timely manner. There is no accurate data available with even government on what is farmer growing in fields as it changes often with season. So we get to know about availability only after farmer harvests and gets it to a mandi (auction place or wholesale market). Farmers deal mostly through agents and middlemen. They are not aware of other bulk buyers like hotels, caterers, exporters, food processors, retail supermarkets etc., when a farmer registers in this application, we capture all his produce details and location of Produce. Buyers can get all details and contact farmer directly through smart phone. The main purpose of developing this app to replace the middlemen and the agents and help farmers get a fair value for their produce. Most buyers buy from agents or Mandi / wholesale market. The application addresses the problems of High price fluctuation, poor quality control, no value addition agents etc. App provides a level playing field to everyone who is interested to buy a farm produce. This application will enable users to search and locate farmers and aggregators easily using internet/mobile.

The buyers can plan procurement well in advance as harvest information is available for future. Direct dealing and visiting farms prior to purchase enables better backward integration and quality. The application is planned to support most of the local languages to aid the interface between the application and the farmers.

2. List of Requirements

RID\$	Req. Title#	Feas ? @	Valid? %	Typ e ^	Priorit y +	Remarks =
REQ1	User and Farmer Registration page.	F	V	FR	mode rate	NA
REQ1.1	Textbox for Name	F	V	FR	mode rate	NA
REQ1.2	Textbox for Email	F	V	FR	mode rate	NA
REQ1.3	Contact Phone Number	F	V	FR	mode rate	NA
REQ1.4	Permanent Address	F	V	FR	mode rate	NA
REQ1.5	Current Address	F	V	FR	mode rate	NA
REQ1.6	Register as a Farmer/Consumer	F	V	FR	mode rate	NA
REQ1.7	Password	F	V	FR	mode rate	NA
REQ1.8	Confirm Password	F	V	FR	mode rate	NA
REQ1.9	Register Button	F	V	FR	mode rate	NA
REQ1.10	Clear All Fields Button(Reset)	F	V	FR	mode rate	NA
REQ1.11	Already A User? Login	F	V	FR	mode rate	NA
REQ2	User and Farmer Login page.	F	V	FR	mode rate	NA
REQ2.1	Textbox to enter registered Email/Phone Number	F	V	FR	mode rate	NA
REQ2.2	Textbox to enter Password	F	V	FR	mode rate	NA
REQ2.3	Login Button	F	V	FR	mode rate	NA
REQ2.4	Forgot Password	F	V	FR	mode	NA

					rate	
REQ2.5	New User? Register	F	V	FR	mode rate	NA
REQ3.1	Farmer side interface page 1:Crops Search	F	V	FR	high	NA
REQ3.2	Farmer side interface page1: Crops template	F	V	FR	high	NA
REQ3.3	Farmer side interface page1: Link to farmer profile	F	V	FR	high	NA
REQ 4.1	Farmer side interface page 2: Crop image and name	F	V	FR	high	NA
REQ 4.2	Farmer side interface page 2: Stock template	F	V	FR	high	NA
REQ4.3.1	Farmer side interface page 2: Pending order template main box	F	V	NF R	high	NA
REQ4.3.2	Farmer side interface page 2: Pending order template Each user template.	F	V	NF R	high	NA
REQ5.1.1	User side interface page1: Background Image and name of app with some quote on top	F	V	FR	high	NA
REQ5.1.2	User side interface page1: Option of 'buy now'	F	V	FR	high	NA
REQ5.1.3	User side interface page1: Option for 'deal of the day'	F	V	FR	mode rate	NA
REQ5.1.4	User side interface page1: Option for 'my profile'	F	V	FR	mode rate	NA
RED5.1.5	User side interface page1: Option for 'order history'	F	V	FR	mode rate	NA
REQ5.1.6	User side interface page1: Option for 'language change'	F	V	FR	high	NA
REQ5.2.1	User side interface page2: Shopping page.	F	V	FR	high	NA
REQ5.2.2	User side interface page2: Search bar.	F	V	FR	high	NA
REQ5.2.3	User side interface page2: recommendation for top five demanding crops of season	F	V	NF R	mode rate	NA
REQ 6	User side interface page 3:	F	V	FR	high	NA

	Selected Crop Image.					
REQ 6.1	Crop Name and Description	F	V	FR	high	NA
REQ 6.2	List of Farmers having that crop.	F	V	FR	mode rate	NA
REQ 6.3	Farmers Name, available stock and price.	F	V	FR	mode rate	NA
REQ 6.4	CLICK TO SEE MORE button	F	V	FR	mode rate	NA
REQ 6.5	Crop Image.	F	V	FR	mode rate	NA
REQ 6.6	Crop Rate	F	V	FR	mode rate	NA
REQ 6.7	Quantity.	F	V	FR	mode rate	NA
REQ 6.8	Button for “ADD TO CART”	F	V	FR	mode rate	NA
REQ 6.9	Button for “BUY NOW”	F	V	FR	high	NA
REQ7	User side interface page4: checkout page.	F	V	FR	high	NA
REQ 7.1	Items Images.	F	V	NFR	mode rate	NA
REQ 7.2	Items description	F	V	FR	high	NA
REQ 7.3	Item cost	F	V	FR	high	NA
REQ 7.4	Quantity of selected Item	F	V	FR	high	NA
REQ 7.5	User name	F	V	FR	mode rate	NA
REQ 7.6	User address	F	V	FR	high	NA
REQ 7.7	BUY NOW button	F	V	FR	high	NA
REQ 8	Database of users and farmers	F	V	FR	mode rate	NA

\$ - Unique ID (Sample: REQ1, REQ2, REQ3, ... REQN)

- Title or short description of the requirement

@ - Mention F- for Feasible, IF- for infeasible

% - Mention V- Valid, IV- Invalid

^ - Mention FR - for Functional Requirement, NFR - for Non-functional Requirement

+ - Priority on the scale of High, Moderate, Low

= - Write remarks if Infeasible or Invalid

3. Requirements Specification

REQID: REQ01

TITLE: User and farmer registration page

DESCRIPTION: Here users as well as farmers are asked for registration either with their mobile number(OTP) or with their Google or Facebook account.

REASON / RATIONALE: It is very important to have user id and password for security purpose, in order to hide our personal information like banking details and aadhar number.

DEPENDENCY: Google or Facebook account and mobile number.

REQID: REQ1.1

TITLE: Textbox for Name

DESCRIPTION: Here the user will get access to a textbox where he/she can enter his/her name

REASON / RATIONALE: Taking names of the users is important to maintain a discrete profile of the user

DEPENDENCY: None

REQID: REQ1.2

TITLE: Textbox for Email

DESCRIPTION: This is an optional field. Here the user will get access to a textbox where the user can enter a valid Email Id and the Email Id entered will be validated in the app and if the Email Id entered is not a valid Email Id then a message will be displayed below stating the user to enter a valid Email Id.

REASON / RATIONALE: Taking Email Id from user will allow us to help the users in case of user forgetting the password and also sending timely reminders.

DEPENDENCY: Email Validation

REQID: REQ1.3

TITLE: Contact Phone Number

DESCRIPTION: This is a mandatory field where the users have to enter a valid Contact Phone Number. The number will be verified using OTP and in case the user enters an invalid number then there will be a message displayed below the field stating the user to enter a valid phone number and also there will be an additional button for resending the OTP.

REASON / RATIONALE: Mobile number validation is necessary to ensure that the user is genuine.

DEPENDENCY: validation of mobile number and OTP verification.

REQID: REQ1.4

TITLE: Permanent Address

DESCRIPTION: This is a mandatory field where the user has to enter the building Number, street number, locality name, Landmark, City/Town, State, Pin Code in the respective text boxes that will be provided to the user. The City/Town, State should be selected from the dropdown menu available.

REASON / RATIONALE: Address is necessary to ensure the feasibility of Farmer-Consumer and vice-versa.

DEPENDENCY: none

REQID: REQ1.5

TITLE: Current Address

DESCRIPTION: This field will get auto filled with the permanent user if the user selects the check box stating same as permanent address or else the user can enter their current address in the text boxes that will be available same as the previous one.

REASON / RATIONALE: Current Address is the address where all the orders can be collected or delivered so it is an important aspect.

DEPENDENCY: none

REQID: REQ1.6

TITLE: Register as a Farmer/Consumer

DESCRIPTION: Here the user can select one of the two choices available as Farmers or Consumers respectively will the default value being Consumers.

REASON / RATIONALE: This will make sure that a particular interface is available to a particular user.

DEPENDENCY: none

REQID: REQ1.7

TITLE: Password

DESCRIPTION: Here the users will get a password field where the users can select a password of their choice. And the password should be under the constraints that will be stated above the password field. If the condition is not met there will be a message displayed below the password field stating the user to enter a valid password.

REASON / RATIONALE: A strong password is necessary to ensure the privacy of the user.

DEPENDENCY: none

REQID: REQ1.8

TITLE: Confirm Password

DESCRIPTION: Here the users are supposed to enter the same password as entered above. If both the passwords does not match then there will be a message displayed below the confirm password field stating the user to check the password.

REASON / RATIONALE: This will avoid unnecessary mistakes by the users such as typing error etc.

DEPENDENCY: REQ1.7

REQID: REQ1.9

TITLE: Register Button

DESCRIPTION: This button will allow the user to submit the details entered. On clicking this button the user will be redirected to the login page.

REASON / RATIONALE: This is required to make sure that the user's data are collected and updated in the database.

DEPENDENCY: REQ1.1,REQ1.2,REQ1.3,REQ1.4,REQ1.5,REQ1.6,REQ1.7,REQ1.8

REQID: REQ1.10

TITLE: Clear all fields button(Reset)

DESCRIPTION: On selecting this all the fields will be restored to default values and all the text boxes will be cleared.

REASON / RATIONALE: This will allow the users to clear all the details in case the details are incorrectly entered.

DEPENDENCY: none

REQID: REQ1.11

TITLE: Already A User? Login

DESCRIPTION: This is a link which will redirect the user to the login page.

REASON / RATIONALE: This will allow already registered users to go directly to the login page.

DEPENDENCY: REQ2

REQID: REQ2

TITLE: User and farmer login page

DESCRIPTION: This is the first page that will appear after the application is launched. Here users and farmers can enter their login credentials which they have used while registration process and login to their respective account as a user or as a farmer, as per their choice.

REASON / RATIONALE: It is very important to login to the account to ensure a user friendly interface and get the required interface as per the login criteria.

DEPENDENCY: REQ01

REQID: REQ2.1

TITLE: Textbox to enter registered Email Id/Phone Number

DESCRIPTION: Here the users will have to enter the Email Id/Phone Number used during the registration process. The app will validate this from the available data in the database. If an invalid data is entered there will be message displayed below the textbox stating invalid data entered.

REASON / RATIONALE: To ensure secure login of the user

DEPENDENCY: REQ1.2,REQ1.3

REQID: REQ2.2

TITLE: Textbox to enter password

DESCRIPTION: Here the users will have to enter the password used while registering. The app will validate this from the available data in the database. If an invalid data is entered there will be message displayed below the textbox stating invalid password entered.

REASON / RATIONALE: To ensure secure login of the user.

DEPENDENCY: REQ1.7

REQID: REQ2.3

TITLE: Login button

DESCRIPTION: On clicking this the user will be redirected to the respective interface page (FARMER/CONSUMER)

REASON / RATIONALE: This will make sure the user can login to the application

DEPENDENCY: REQ3,REQ4

REQID: REQ2.4

TITLE: Forgot Password

DESCRIPTION: On clicking this there will be a pop up message stating that the new password has been sent to their registered mobile number

REASON / RATIONALE: This will help the users in case they forget their password

DEPENDENCY: REQ1.3

REQID: REQ2.5

TITLE: New User? Register

DESCRIPTION: On clicking this link the users will be redirected to the registration page.

REASON / RATIONALE: This will make sure the new users can register themselves.

DEPENDENCY: REQ1

REQID: REQ3.1

TITLE: Farmer side interface Page 1: Crops Search

DESCRIPTION: Here farmer can search for crops by typing name of crop.

REASON / RATIONALE: This will increase ease of access and faster work done by the farmer

DEPENDENCY: REQ1, REQ2

REQID: REQ3.2

TITLE: Farmer side interface Page 1: Crops Template

DESCRIPTION: This Template will contain crop photo ,Its name , its stock and number pending orders farmer has to full fill.By clicking over the template farmer will be directed towards the page 3 which will contain more information about specialised crops.

REASON / RATIONALE: This will provide necessary information at a glance for farmers and allow them to navigate smoothly.

DEPENDENCY: REQ1, REQ2,REQ3.1

REQID: REQ3.3

TITLE: Farmer side interface Page 1: Link to farmer profile

DESCRIPTION: Farmer side interface Page 1: Link to farmer profile

REASON / RATIONALE: Farmer side interface Page 1: Link to farmer profile

DEPENDENCY: REQ1, REQ2

REQID: REQ 4.1

TITLE: Farmer side interface Page 2: Crop Image and name

DESCRIPTION: Here the farmers will be able to add the crops and details selected in the farmer side interface Page 1. In this template farmer will see crops image its name which he wants upload.

REASON / RATIONALE: This requirement will be Help farmer to get to know he is editing correct crop or not.

DEPENDENCY: REQ3, REQ2, REQ1

REQID: REQ 4.2

TITLE: Farmer side interface Page 2: Stock Template

DESCRIPTION: Here the farmers will be able to see and add the crop. This will contain a box showing word stock present in left most corner with field showing value of stock and at left most region there will + option by clicking which farmer can add stock of crops.

REASON / RATIONALE: This requirement will Help farmer to add and see crops in easy way.

DEPENDENCY: REQ3, REQ2, REQ1

REQID: REQ4.3.1

TITLE: Farmer side interface page 2:Pending order template main box

DESCRIPTION: This is just a scrollable box inside which several user templates will be available
This box will contain heading “pending orders”.

REASON / RATIONALE: This requirement will be help farmer to scroll throught orders easily.

DEPENDENCY: REQ3, REQ2, REQ1

REQID: REQ 4.3.2

TITLE: Farmer side interface page 2:Pending order template user order box

DESCRIPTION: This box will contain details of orders like user name , its address with contact number and order quantity , order price expected delivery time etc.Once the order completed , orders will be removed from this tempelate .

REASON / RATIONALE: Here farmer will be able to look through order and get to know which all orders farmer to completed.

DEPENDENCY: REQ3, REQ2, REQ1,REQ4.3.1

REQID:REQ05.1.1

TITLE: User side interface Page 1: [Background Image and name of app with some quote on top](#)

DESCRIPTION: There will be name of the app, background image related to the crops and some quote for the farmers.

REASON / RATIONALE: It is necessary for an app to look good also with some nice name otherwise people sometimes use to judge the items with there names and image.

DEPENDENCY: none

REQID:REQ05.1.2

TITLE: User side interface Page 1: [Option for buy now](#)

DESCRIPTION: There will be an option for buy now, when the user will click that option he/she will be taken to the shopping page for searching different crops..

REASON / RATIONALE: Since the app is for buying and selling crops so it is the most important and motive of the app.

DEPENDENCY: none

REQID:REQ05.1.3

TITLE: User side interface Page 1: [Option for deal of the day](#)

DESCRIPTION: Here there will be facility for the user to see the deals for the day i.e. the crops which are available at cheap rate till date will be shown to the user.

REASON / RATIONALE: This is the one of the strategy used by the large tech companies in order to attract the users for their profits so we are also following the same strategy to attract them as well this will also attract the farmers if their crops are sold in large amount.

DEPENDENCY: none

REQID:REQ05.1.4

TITLE: User side interface Page 1: [Option for my profile](#)

DESCRIPTION: There will be option for 'my profile' where on clicking user can see his/her profile or can update their profile and personal details like address, mobile number.

REASON / RATIONALE: It is necessary part because here users personal details will be available so that we can contact him/her if some problem occurs in future or some misconduct being done by users to reach them.

DEPENDENCY: none

REQID:REQ05.1.5

TITLE: User side interface Page 1: [Option for order history](#)

DESCRIPTION: Here there will be option for the user to see the history of purchased crops till date.

REASON / RATIONALE: It will be helpful for user because if sometime he/she wanted to buy the same crops again, or to buy a new crops from the same farmer from he/she had bought earlier(can easily contact details of the farmer) .

DEPENDENCY: none

REQID:REQ05.1.6

TITLE: User side interface Page 1: [Option for language change](#)

DESCRIPTION: Here there will be option for the user to change his/her native language.

REASON / RATIONALE: It will be helpful for user because sometime user may not know english so it will be difficult for the user to go through the app or sometime he/she may feel comfortable in their nat.

DEPENDENCY: none

REQID:REQ05.2.1

TITLE: User side interface Page 2: [Option for shopping page](#)

DESCRIPTION: By clicking the option user will be directed to the shopping page

REASON / RATIONALE: This is one of the basic function of our application

DEPENDENCY: REQ5.1.2

REQID:REQ05.2.2

TITLE: User side interface Page 2: Search bar

DESCRIPTION: Here user will be able to search his/her crops which he/she wants to buy in search bar which is provided at the top of the page.

REASON / RATIONALE: By using the search bar it will be convenient for the user to filter the required crops fastly otherwise he/she may have to scroll down/up for a long time for the crop because the crops are arranged in ascending order of their names and if the user's crop is at end then it will be difficult without this facility of search bar.

DEPENDENCY: none

REQID:REQ05.2.3

TITLE: User side interface Page 2: Recommendation for top five crops

DESCRIPTION: As soon as user enter the shopping page user will be shown top five crops on the basis of the crops bought by the earlier users.

REASON / RATIONALE: It will be very easy for a user if he/she would find their required crop without searching it specifically so this will provide that facility. Also if user may not be buying that crop but if he/she may change their mind by seeing the recommendation.

DEPENDENCY: none

REQID:REQ06

TITLE: User side interface Page 3: Selected Crop Details

DESCRIPTION: Here the users will get the Image and Description of Selected Crop.

REASON / RATIONALE: It is necessary to provide the Description of selected crop so that users can read the quality of crops.

DEPENDENCY: REQ05

REQID: REQ 6.1

TITLE: User side interface Page 3: Crop Name and Description

DESCRIPTION : Here the Users will get crop name and description.

REASON / RATIONALE: It will be easy for user to verify the selected crop.

DEPENDENCY:REQ05

REQID: REQ 6.2

TITLE: User side interface page 3: List of farmers.

DESCRIPTION: Here the users will get the list of farmers having that crops.

REASON / RATIONALE: It will be convenient for users to select the farmers from which they want to buy .

DEPENDENCY: REQ05

REQID: REQ 6.3

TITLE: Farmers name, available stock and price.

DESCRIPTION: Here the users will be able to see the details of farmers and how much stock they are having and at what price they are selling their crop.

REASON / RATIONALE: It is necessary to know the details of farmer and rate so that users can decide from which farmer they want to buy.

DEPENDENCY : REQ05

REQID: REQ 6.4

TITLE: Click to see morre

DESCRIPTION: After clicking the button "CLICK TO SEE MORE" user will find list of farmers having that crop.

REASON / RATIONALE: This will provide more number of choice for user to select the farmer from which they want to buy the crops

DEPENDENCY: REQ05

REQID: REQ 6.5

TITLE: Crop Image

DESCRIPTION: Here the user will find the image of selected crop which he/she is going to buy.

REASON / RATIONALE: It is necessary to provide the image of selected crop so that user can verify.

DEPENDENCY: REQ05, REQ 6.2 and REQ 6.3

REQID: REQ 6.6

TITLE: Crop Rate

DESCRIPTION: Here the users will find the rate of crops which they are going to buy

REASON / RATIONALE:: It is necessary to know the price of crop for users so that he/she can decide the quantity of crops.

DEPENDENCY: REQ05, REQ 6.2 and REQ 6.3

REQID: REQ 6.7

TITLE: Quantity

DESCRIPTION: Here the users will be able to adjust the quantity of crops.

REASON / RATIONALE: It is necessary to provide the option for quantity so that users can decide the quantity according to their needs.

DEPENDENCY: REQ05, REQ 6.2 and REQ 6.3

REQID: REQ 6.8

TITLE: Button for “ADD TO CART”

DESCRIPTION: After clicking this button users crops will be added to their cart.

REASON / RATIONALE: It is necessary to give this because might users want to buy different types of crops so that directly they can add their crops to the cart and at last they can check out.

DEPENDENCY: REQ05, REQ6.2 and REQ 6.3

REQID: REQ 6.9

TITLE: Button for “BUY NOW”

DESCRIPTION: After clicking this button users will move to their cart page and their they can see their total items.

REASON / RATIONALE: It is necessary to provide cart option for users so that they can verify their total items as well as can see their total price in the cart.

DEPENDENCY: REQ05, REQ6.2 and REQ 6.3

REQID: REQ07

TITLE: User Side Interface Page 4: Checkout Page

DESCRIPTION: This will provide the functionality to users and farmers to use the application in a number of languages. The users and the farmers can select a language from the available list in the application and the application will start running in the selected language.

REASON / RATIONALE: This will benefit in an efficient interaction of the user with the application and make the application easy to operate for the farmers as well

DEPENDENCY: None

REQID: REQ7.1

TITLE: Items images

DESCRIPTION: Here we will show images of all the selected items which are there in the cart. The user will feel more safe about the items they have selected.

REASON / RATIONALE: This will decrease orders which happens by mistake to a large extent.

This will also provide a rough idea about the quality of the crop.

DEPENDENCY: REQ 6

REQID: REQ 7.2

TITLE: Item Description

DESCRIPTION: This will provide all the details about the crop ,like name of the crop, brand of the crop etc..User will be able to get exactly the same crop of same brand which he/she has chosen.

REASON / RATIONALE: As the user will select a product of particular brand and name , there won't be any chance of misunderstanding or confusion during the shipping of the product . It also provides knowledge about number of varieties..

DEPENDENCY: REQ 6

REQID:REQ 7.3

TITLE: Item cost

DESCRIPTION: Under this requirement will we show the affordable cost of selected items in the terms of rupees per kg which are there in the cart. It provides an idea about the budget that one can afford. It may also contain comparison between old price and new price .There will be total amount popup,if there are more than one item in the cart.

REASON / RATIONALE: This confirms no bargaining in the process of delivery.The one who is buying any item, have to pay the amount displayed on users account after the completion of the of the order. Cost of a product also gives a rough idea about the quality and importance of the product.

DEPENDENCY: REQ 6

REQID: REQ 7.4

TITLE:Quantity of the selected product

DESCRIPTION: This will show the total quantity of each different selected items. One can choose any item in their own desirable quantity.

REASON / RATIONALE: This will surely help the buyers to satisfy their need of different items in different quantity in a single order, which reduces lots of efforts and resources.

DEPENDENCY: none

REQID: REQ 7.5

TITLE: User Name

DESCRIPTION: This provides User name of one who is placing the order for any item.

REASON / RATIONALE: This confirms the name of the person who is going to get the ordered items. This will reduce the chance of product getting delivered to wrong person.

DEPENDENCY: REQ 1

REQID: REQ 7.6

TITLE: User Address

DESCRIPTION: This provides detailed address of one who is placing the order for any item. It contains details like country, state, district, post office with pin number of the current block where the person is living.

REASON / RATIONALE: This confirms about the address where the particular item should be sent. This also helps in giving an estimated time required to reach the delivery to the address, depending upon situation of the place.

DEPENDENCY: REQ 1

REQID: REQ 7.7

TITLE: BUY NOW Button

DESCRIPTION: The "BUY NOW" provided at the bottom most part of the page will allow the buyer to confirm order for the items present in the cart.

REASON / RATIONALE: It allows the buyer to proceed to the final step of the order.

DEPENDENCY: none

REQID : REQ8

TITLE:Database of both users and farmers

DESCRIPTION:Here database creation and management techniques are used to store and authenticate data of both users and farmer. This will handle all the service request and response between the database and the application. The detail to this implementation are not fully known yet.

REASON / RATIONALE: This basic feature required to store , retrieve , validate and change all data in apps.

DEPENDENCY: all requirements.

4. Tentative list of Requirements for SPRINT 1

REQID	Requirement Title
REQ1.1- REQ1.11	User and Farmer Registration page.
REQ2.1- REQ2.5	User and Farmer Login page.
REQ3.1- REQ3.3	Farmer side interface page 1
REQ 4.1- REQ4.3.2	Farmer side interface page 2
REQ5.1.1- REQ5.1.6	User side interface page1
REQ5.2.1- REQ5.2.3	User side interface page2

5. Report Summary

Our agrarian markets are still living in the past. Agriculture derivatives markets continue to be viewed with suspicion. The objective of regulating agricultural markets was to protect farmers from exploitation by intermediaries, ensure better prices and timely payments. We will give several opportunities to farmers so that if any farmer has crops then he will be able to sell his crops at reasonable price and even if any farmer has grown enough crops and he is not able to sell his whole crops, then he will be given a functionality of contacting several cold storage/safer place who can keep his crops without getting it bad. Our application is obviously not only for farmer but other people too as a customer who can buy crops from farmers. Our idea is not limited only to crops but vegetables too. That is, if any customers have any event to conduct like marriage then he can order vegetables for his events. So, basically farmers and customers would be able to communicate even from different cities for trading. We will make functionality of reserve food for some future event, if any farmer agrees to this deal then customer will be given list of farmers who agrees to his deal so that customer can choose the best deal.