



Project Scenario

Problem Statement

E farm is a B2B aggregator platform that connects farmers to the consumers. The main services of E farm are providing an agri marketplace & agri solution to the farmers. We are providing Three main services : Food Chain based platform, Agricultural Equipment Maintenance & renting, Agri solution/Consultancy.

Farmers do not get proper fair price for their produced products . The price at which the same product reaches the customer due to brokers or some syndicate traders is nothing but discrimination. So E farm will work as a bridge between the farmers & the customers as supply chain ecosystem. Consumers are very much concerned about the quality and source of the foods now more than ever. E Farm is creating a supply chain that will ensure providing fresh foods (milk, vegetables, fishes etc) & also plants, seeds etc according to the demand of the customers.

Agricultural equipment includes wide range of items i.e tractors, tillers, seed swing machinery & numerous tools. After analyzing the market demand we will provide those equipments in rural areas.

E Farm will also provide agro solution to the farmers in many cases such as diseases of their products, diseases of their domesticated animals as well as providing advice on the fertilizer, nutrients, irrigation, seed variety, plant protection, harvesting, and post-harvest management system based on subscription package .

Scenario 1a(Customer)

Sumaiya wants to buy fresh “Cauliflower” (fresh foods) from her home, doesn’t want to go to the store/market .

- Sumaiya visits the web portal/app

- She registered her account in the web portal/app with her mail address,password along with phone number .
- She received verification mail along with verification link .
- She confirmed the registration through the link.
- She logs into the web portal.
- She enters “Cauliflower” into the search box & hits enter .
- The web portal presents expected product’s availability , price , amount , rating .
- She clicks “Add to cart” & selects “Cash on delivery” .
- She hits ‘confirm’ to ensure her order with submitting her address .
- The system confirms the order.
- The ordered product delivered through delivery man .
- Delivery man confirms the delivery along with payment informing system .

Scenario 1b(Customer)

(Same as 1a)

- She clicks “Add to cart” & selects “Online Payment” i.e card,mobile banking.
- System completes the transaction process.
- She hits ‘confirm’ to ensure her order with submitting her address .
- The system confirms the order.
- The ordered product delivered through delivery man .
- Delivery man confirms the delivery along with payment informing system .

Scenario 1c(Customer)

The desire product is not available.

(Same as 1a)

- The web portal/app shows her the desired product’s details, availability, amount ,price.
- As the product isn’t available Sumaiya clicks on “Request Stock” .
- System confirms her request .
- Sumaiya decides that she wants to be informed when her desired product becomes available at the web portal/app and selects an appropriate button.
- Sumaiya will receive an email to his registered email-address , also to the phone when the product becomes available .

Scenario 2a (Customer)

It’s raining . Prity invites her friends for a party . She decides to cook mutton curry with ‘Chuijhal’. Also she will prepare ‘lachi’ from fresh yogart.

- Prity logs into the web portal/app .
- She search “Mutton Curry” in the search Box.
- System will show the available fresh products specially’Chuijhal’ needed to cook the dishes .
- Prity selects the items & clicks ‘Add to cart’ .
- Also prity selects fresh Yogart from her desired region & clicks ‘Add to cart’.
- System confirms her order .
- She hits ‘confirm’ to ensure her order with submitting her address .
- The system confirms the order with ‘cash on delivery/online payment process’ .
- The ordered product delivered through delivery man .
- Delivery man confirms the delivery along with payment informing system .

Scenario 2b(Customer)

- Prity forgets her password .
- Prity clicks ‘Forget your password’
- Prity will get a link in her mail box to change her password.
- Prity clicks the link
- Prity has to submit ‘New Password’ & ‘Confirm New Password’
- Prity successfully logs into the web portal .

Scenario 2c(Customer)

(Same as 2b)

- Prity will get OTP code in her registered number within 1 min.
- She submits the OTP code & completes the password changing process.

Scenario 3(Customer)

Sanwar is completely new user of the system . After entering to the web portal/app he is confused so he needs some help.

- Sanwar clicks “Live Chat” .
- He asked his query . Customer support manager chats with him through text chat & audio call .

Scenario 4a(Customer)

Tariq wants to give feedback(positive/Negative) about some products that he already bought.

- He enters to ‘Feedback Portal’ & selects items for which he wants to give feedback.

- System takes the feedback .

Scenario 4b(Customer)

(Same as 4a)

- He goes to the 'product history' to his 'profile info'
- He selects the desired product to give feedback upon it .
- He gives the feedback & clicks 'submit' button .

Scenario 5a(Farmer/Agro Farm Owner)

Kuddus Bepari wants to provide his agro products . through our system .

- He can register as a provider through manual process or
- He enters to the web portal/app & press 'Requesting for Registered Provider'
- He provides necessary information & the clicks 'submit'.
- System takes the request for further analysis.
- System verifies the information and access him for creating an account

Scenario 5b(Farmer/Agro Farm Owner)

Kuddus bepari has created an account, now he wants to sell his products to the system.

- He clicks on his profile
- He enters in his profile and click on 'add product'
- Selects the products category.
- He adds his product's details such as pictures, prize rate and stock information.
- Then he clicks on 'Submit' button.
- System receives his request and adds his product information in their database.

Scenario 5c(Farmer/ Agro Farm Owner)

Rahim Miya wants to provide vegetables to the system

- He will click on his profile
- He will enter in his profile and click on 'add product'
- Then selects 'Vegetable' on category.
- Add information about how many days he can provide vegetable and what will the amount per day.
- System receives his information and add his information on database.
- Receiver will go to his place and take the products when they need it.

Scenario 5d (Farmer/ Agro Farm Owner)

Rahim miya and Kuddus Bepari has run out of stock, So they want to inform the system.

- Rahim miya and Kuddus miya click in their profile
- Click on the product they have run out.
- They click on 'Edit details' and then edit the stock information.
- Then clicks on 'Submit'
- System acknowledges their request and update the information.

Scenario 6(a) (Farmer/ Agro Owner)

Sadiq Ahmed is an owner of a cattle farm. He already has an account on E-Farming. Now he wants to sell his cattle products like meat, milk.

Same as 5(b)

Scenario 6(b)(Farmer/ Agro Owner)

Tahsin is an owner of poultry farm. He already has an account on E-Farming. Now he wants to sell his poultry products like, chicken, egg etc. in E-Farming platform.

Same as 5(b)

Scenario 7(a) (Farmer/ Agro Owner and Consultant)

After creating account in E-Farm. Sadiq wants to improve the efficiency of their farm, So he wants to buy a consultancy package.

- Sadiq goes to his profile and clicks on 'Menu' bar.
- Then clicks on 'Consultancy'.
- Sadiq selects the type of consultancy he wants to take.
- System shows him the available packages.
- Sadiq clicks 'Buy' on the package he wants and completes the online payment method
- Sadiq receives a confirmation message.

Scenario 7(b) (Farmer/ Agro Owner and consultant)

Since Sadiq has bought consultancy package from E-Farm. Sadiq wants to request assistance with improving the efficiency of their farm.

- Sadiq goes to his profile and clicks on the menu bar.
- From the menu he clicks on the 'consultancy' button.
- After clicking button an interface will appear where all the details about the purchased package will be given.
- Sadiq clicks on 'Request for Consultancy'. Sadiq submits their consultation request and receives a confirmation that it has been received.
- A member of the expert team reviews the request and schedules a virtual consultation with the user.
- During the consultation, the expert discusses the user's needs and provides recommendations for improving the efficiency of the farm.
- The user reviews the recommendations and decides which ones they would like to implement.
- The expert provides guidance and support to the user as they implement the chosen recommendations through the app.