

Question 1 - Functional Requirements.

Answer -

Requirement ID	Requirement Name	Requirement Description	Priority
FR001	Farmer Registration	Farmers can sign up using email or phone and set a password.	High
FR002	User Login	Both farmers and manufacturers can log in to use the app.	High
FR003	View Product Catalog	Farmers can see available products uploaded by manufacturers.	Medium
FR004	Search Products	Users can search for products by name or category.	High
FR005	Filter Products	Users can filter by product type (Seeds, Pesticides, Fertilizers).	Medium
FR006	Add to Cart	Farmers can add products to their shopping cart.	Medium
FR007	Buy Now	Direct purchase option without using cart.	High
FR008	Product Details View	User can see full details like price, quantity, brand, and image.	Medium
FR009	Make Payment	UPI, Card, or Cash on Delivery should be supported.	High
FR010	Order Confirmation	System sends order confirmation to email or mobile.	High
FR011	Order Tracking	Farmers can track their order using order ID.	Medium
FR012	Wishlist	Save products in wishlist for future buying.	Low
FR013	Product Upload (Manufacturer)	Manufacturers can upload their product details.	High

FR014	Customer Support	Farmers can chat or call for help.	High
FR015	Delivery Info Display	App shows estimated delivery date.	Medium
FR016	Download Invoice	Farmers can download the invoice after placing an order.	Medium
FR017	Print Invoice	Invoice should be printable for keeping records.	Medium
FR018	Past Order View	Farmers can see old orders.	Low
FR019	Ratings and Reviews	After buying, users can rate and give feedback on the product.	Low
FR020	Profile Management	Farmers and manufacturers can update their details like phone, address, password, etc.	Medium

Question 2 - Minimum 5 Page Designs

Answer -



A Web Page

http://www.agro.in

A AGRO NEEDS [Contact Us](#)

Register

Full Name

E-mail I'd

Phone Number

Password

Register

A Web Page

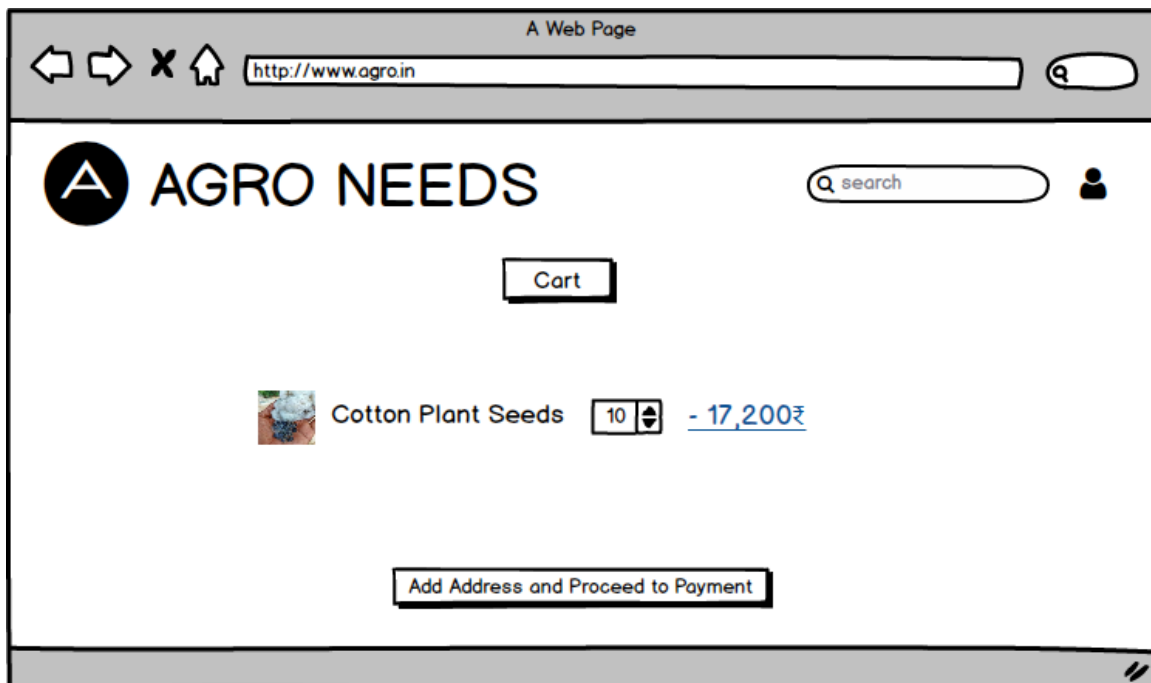
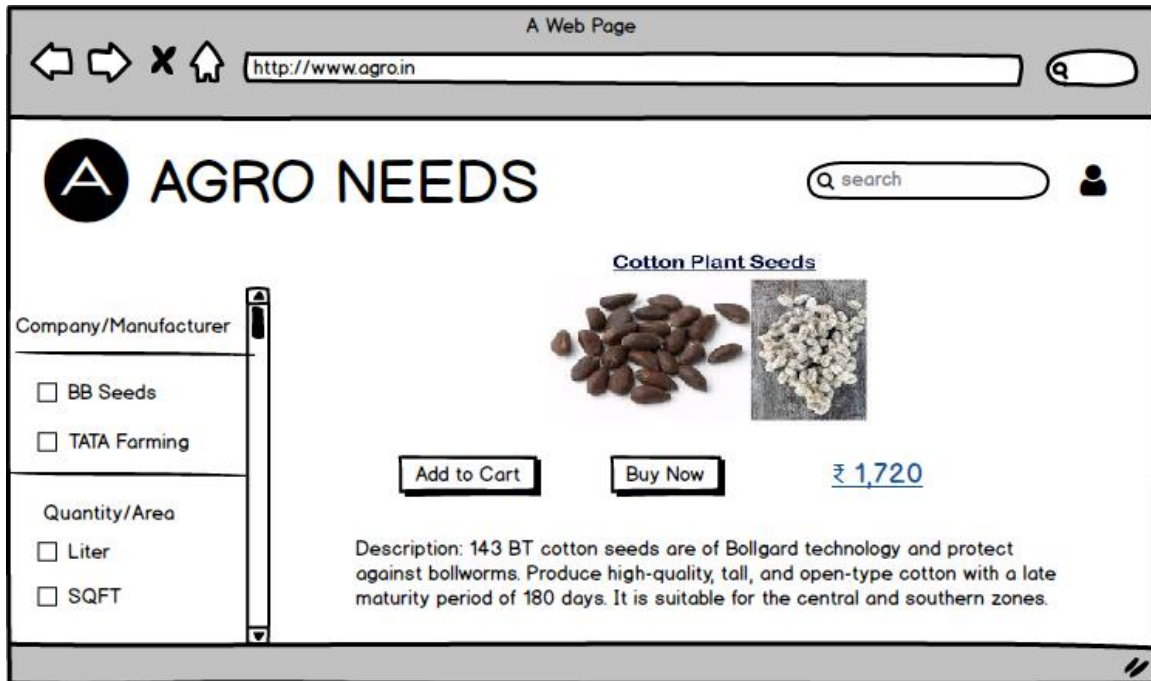
http://www.agro.in

A AGRO NEEDS


Browse For More


Browse For More


Browse For More



A Web Page

http://www.agro.in

AGRO NEEDS

Address & Payment

Delivery Address: Door No: 1-1/2, Something Colony, Yerra Nagar, Hyderabad - 500096

☐ UPI (Gpay, Phonepe, Paytm) ☐ Credit/Debit Card

☐ Net Banking ☐ Cash On Delivery

A Web Page

http://www.agro.in

AGRO NEEDS

☒ **Order Placed Sucessful**

[Go to Homepage](#)



Question 3 - Tools

Answer - Tools

For completing this project work, I used the below mentioned tools. These tools helped me complete the project clearly and systematically.

- **Microsoft Visio:** For drawing diagrams like Use Case and Activity Diagram.
- **Balsamiq:** To design the wireframes of pages like login, product page, cart page.
- **Excel:** For preparing RTM and Test Cases.
- **MS Word:** To write answers, BRD, SRS, and other documents.

Question 4 - Requirement Traceability Matrix

Answer -

Req ID	Req Name	Req Description	Design	D1	T1	D2	T2	D3	T3	D4	T4	UAT
FR001	Farmer Registration	Farmers should be able to create an account	Yes	Yes	Yes	No	No	No	No	No	No	Yes
FR002	Farmer Login	Login with email and	Yes	Yes	Yes	Yes	No	No	No	No	No	Yes

		password										
FR003	View Products	Farmers can see product list from companies	Yes	Yes	Yes	No	No	No	No	No	No	Yes
FR004	Product Search	Farmers search product by name or category	Yes	Yes	Yes	Yes	No	No	No	No	No	Yes
FR005	Product Filter	Filter products by Seeds, Fertilizer, or Pesticide	Yes	Yes	Yes	Yes	No	No	No	No	No	Yes
FR006	View Product Details	Product image, price, company, quantity visible	Yes	Yes	Yes	Yes	No	No	No	No	No	Yes
FR007	Add to Cart	Product added to shopping cart	Yes	Yes	Yes	No	No	No	No	No	No	Yes
FR008	Buy Now	Buy directly without using cart	Yes	Yes	Yes	No	No	No	No	No	No	Yes
FR009	Payment	UPI, Card, and COD	Yes	Yes	Yes	Yes	Yes	No	No	No	No	Yes
FR010	Order Confirmation	Show confirmation and send email after payment	Yes	Yes	Yes	Yes	Yes	No	No	No	No	Yes
FR011	Order Tracking	Track orders using order ID	Yes	Yes	Yes	No	No	No	No	No	No	Yes
FR012	Wish list	Save products for later	Yes	Yes	Yes	No	No	No	No	No	No	Yes
FR013	Manufacturer Upload	Manufacturers upload their product details	Yes	Yes	Yes	Yes	No	No	No	No	No	Yes
FR014	Support Chat	Farmers can chat with support	Yes	Yes	Yes	Yes	No	No	No	No	No	Yes
FR015	Delivery Info	Estimated delivery date at confirming order	Yes	Yes	Yes	Yes	No	No	No	No	No	Yes

FR016	Invoice Generation	System should create invoice after order	Yes	Yes	Yes	Yes	No	No	No	No	No	Yes
FR017	Print Invoice	Farmers can print invoice for records	Yes	Yes	Yes	Yes	No	No	No	No	No	Yes
FR018	View Past Orders	Farmers can check their previous orders	Yes	Yes	Yes	Yes	No	No	No	No	No	Yes
FR019	Ratings & Reviews	Farmers can rate and review products	Yes	Yes	Yes	Yes	No	No	No	No	No	Yes
FR020	Profile Update	Farmers can update phone, address, and password	Yes	Yes	Yes	Yes	No	No	No	No	No	Yes

Question 5 - Test Case Document

Answer - 10 Test cases

Test Case TC001

Field	Detail
Test Case ID	TC001
Scenario	New farmer signs up on the app
Input	Name, Email, Mobile No, Password
Expected Result	Account should be created successfully
Actual Result	Account created
Status	Pass

Test Case TC002

Field	Detail
Test Case ID	TC002
Scenario	Farmer logs in using valid credentials
Input	Registered Email and Password
Expected Result	Login successful, dashboard opens
Actual Result	Dashboard opened
Status	Pass

Test Case TC003

Field	Detail
Test Case ID	TC003
Scenario	Farmer searches for 'Organic Urea'
Input	Search bar input
Expected Result	Matching products should appear
Actual Result	Products shown
Status	Pass

Test Case TC004

Field	Detail
Test Case ID	TC004
Scenario	Farmer adds one product to cart
Input	Click on 'Add to Cart'
Expected Result	Product added to cart
Actual Result	Product shown in cart
Status	Pass

Test Case TC005

Field	Detail
Test Case ID	TC005
Scenario	Farmer pays using UPI
Input	UPI ID entered
Expected Result	Payment should be successful
Actual Result	Payment successful
Status	Pass

Test Case TC006

Field	Detail
Test Case ID	TC006
Scenario	User enters wrong password
Input	Wrong password
Expected Result	Show 'Invalid Credentials' message
Actual Result	Error message displayed
Status	Pass

Test Case TC007

Field	Detail
Test Case ID	TC007
Scenario	Farmer finishes order and pays
Input	Confirm order
Expected Result	Order ID and confirmation message shown
Actual Result	Order ID generated
Status	Pass

Test Case TC008

Field	Detail
Test Case ID	TC008
Scenario	Farmer checks order delivery status
Input	Enter valid order ID
Expected Result	Show delivery status
Actual Result	Status shown
Status	Pass

Test Case TC009

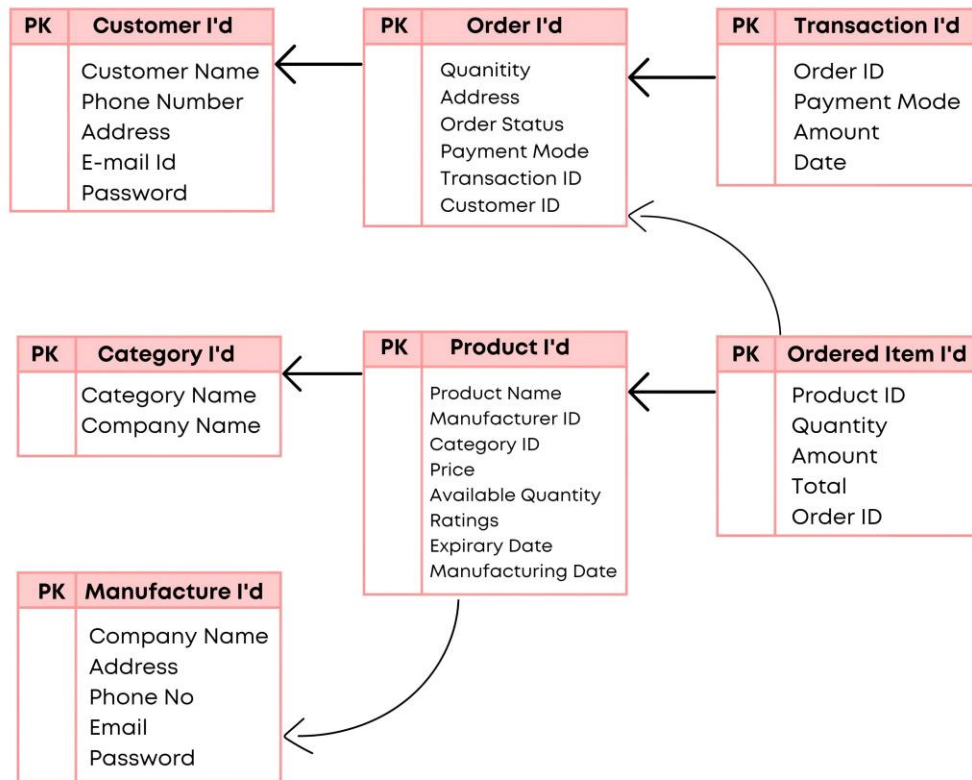
Field	Detail
Test Case ID	TC009
Scenario	Farmer updates mobile number
Input	Enter new number, click save
Expected Result	Show 'Profile updated'
Actual Result	Profile saved
Status	Pass

Test Case TC010

Field	Detail
Test Case ID	TC010
Scenario	Farmer adds product to wish list
Input	Click on 'Add to Wish list'
Expected Result	Product saved in wish list
Actual Result	Wish list updated
Status	Pass

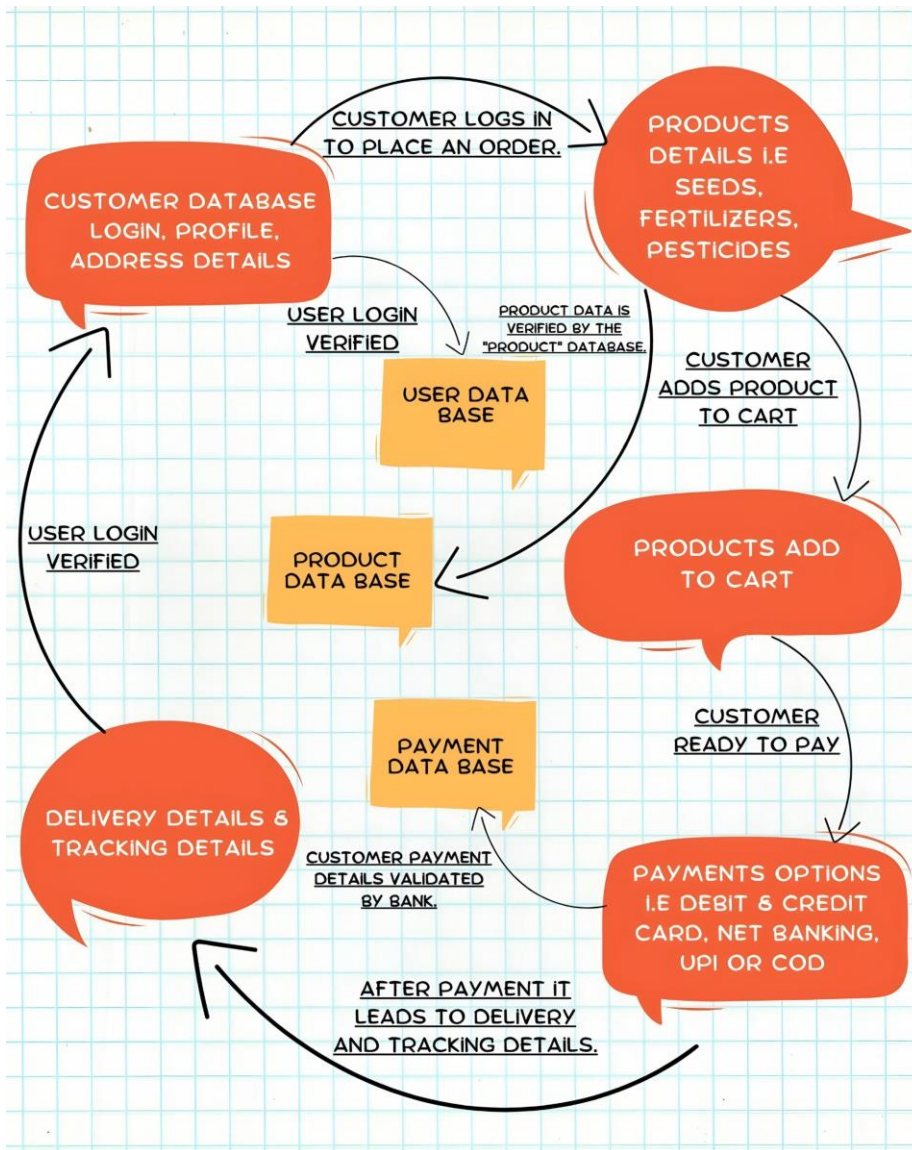
Question 6 - Database Design

Answer-



Question 7- Data Flow Design

Answer -



Question 8 - Change Request

Answer -

A change request happens when the client or user wants to change something in the system after requirement gathering is completed. In this project, suppose the client asked us to add a feature where the farmer can print the invoice directly from the app. This was not mentioned in the original BRD. I would treat this as a new change request.

As a BA, I will log the change, discuss it with the team, check how much time and cost it needs, and get approval from the client. Only after the CR is approved, I will ask the developer to start working on it.

Question 9 - Change Request vs Enhancement

Answer -

A **Change Request** means a change in the existing requirement after the project has already started. For example, changing the payment method or adding a new feature that was not planned before.

An **Enhancement** is a small improvement in an already existing feature. For example, adding a filter in the product search or showing suggestions while typing.

So, the main difference is:

- CR = New change after BRD
- Enhancement = Improvement to what is already planned

Question 10 – Estimations

Answer -

Team Member	Work Details	Man-Hours
Project Manager	Planning, team handling, client reporting	150
Business Analyst (My Role)	Requirement collection, document writing, support	160
Java Developer	Code design, development, unit testing	100
Testers	Writing test cases, executing, reporting bugs	80
Network Administrator	Server setup, security checks	120
Database Administrator	Data design, backup planning, DB tuning	120
Total		730

Question 11 - UAT

Answer - User Acceptance Testing Process

User Acceptance Testing means testing the system from the client's side to make sure it is working properly as per their needs. It's like a final check before the system goes live.

Steps I Followed:

1. **Planning:**
I listed all the modules that needed to be tested like login, product search, cart, payment, and invoice.
2. **Test Scenarios:**
I prepared simple test scenarios and explained to users how to test them step-by-step using the actual app.
3. **Execution by Users:**
The users tested all the important features. They used real examples to check if everything is working correctly.
4. **Bug Reporting and Fixing:**
Wherever they found issues (like slow loading or wrong invoice), we will note and coordinated with the development team to fix them quickly.
5. **Final Sign-off:**
After re-testing and everything worked fine, the users and Client gave the UAT sign-off, saying the system is ready to go live.

Question 12 – Project Closure Document

The project closure document is the final report showing that the project is complete. It includes:

- UAT Sign-off copy
- List of final deliverables
- Feedback from the client
- Lessons learned
- Documents handed over (BRD, SRS, RTM, Test Cases, etc.)

This document is important because it shows that the client is happy, all tasks are done, and the project is closed officially.