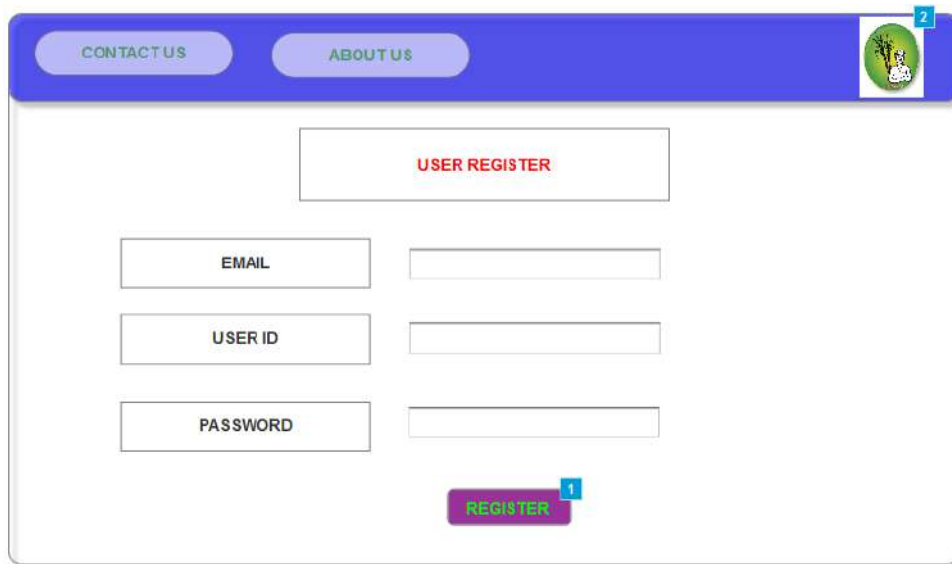


Question: 1 - Functional Requirements

Req ID	Req Name	Req Description	Priority
FR0001	Farmer Registration	Farmers should be able to register with the application.	8
FR0002	Farmer Search for Products	Farmers should be able to search for available products in fertilizers, seeds, pesticides.	8
FR0003	Add Product to Cart	User should be able to add selected products to their cart.	8
FR0004	Remove Product from Cart	User should be able to remove products from the cart.	8
FR0005	Edit Profile	User should be able to edit their personal details in the profile section.	7
FR0006	Place Order	User should be able to place an order for products in the cart.	9
FR0007	View Order History	User should be able to view past orders and statuses.	7
FR0008	Cancel Order	User should be able to cancel an order before it is shipped.	7
FR0009	Receive Notifications	Users should receive notifications for order status changes.	6
FR0010	Payment	Users should be able to pay through multiple payment options (UPI, Net Banking, Card).	9
NFR0101	Page Loading Time	Each page should load within 2 seconds.	9
NFR0102	Accessibility	The system must meet Web Content Accessibility Guidelines WCAG 2.1.	8
NFR0103	Data Encryption	All user data should be encrypted in transit and at rest.	9
NFR0104	Availability	The system should have 99.9% uptime annually.	9
NFR0105	Backup and Recovery	The system should perform daily backups and support disaster recovery.	8
NFR0106	Scalability	The system should support up to 10,000 simultaneous users.	9
NFR0107	Browser Compatibility	The application must be compatible with major browsers (Chrome, Firefox, Edge, Safari).	7
NFR0108	Mobile Responsiveness	System must be fully responsive and usable on phones/tablets.	8
NFR0109	Session Timeout	User sessions should timeout after 15 minutes of inactivity.	7
NFR0110	Audit Logging	System should log all important user and admin actions for audit purposes.	8

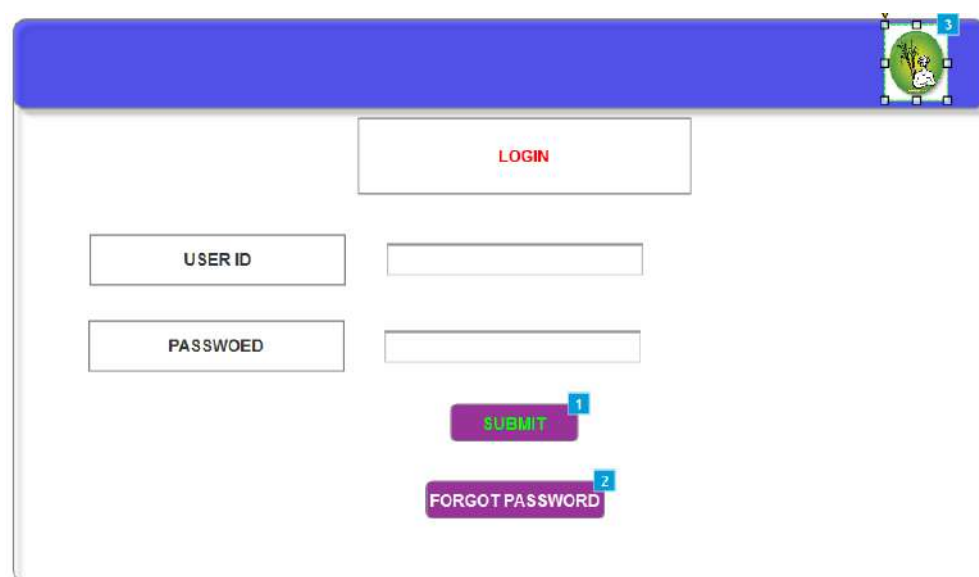
Question: 2 – Wireframe and prototypes

1. Registration Page



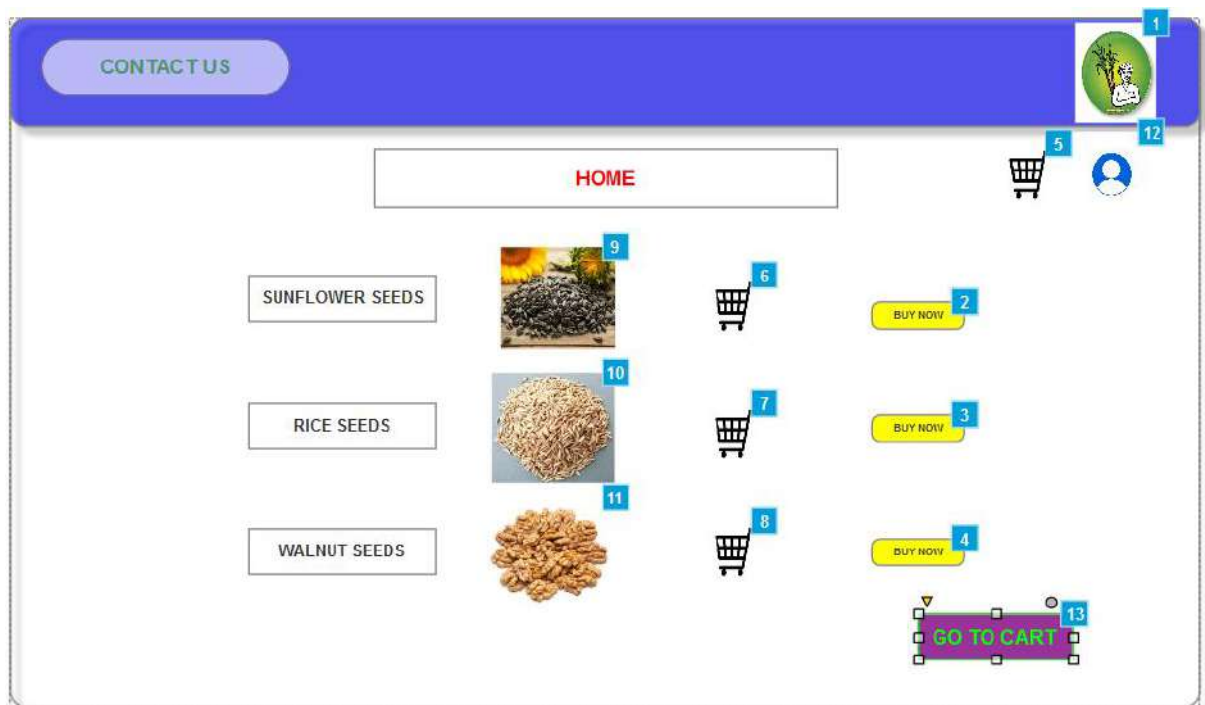
A wireframe of a registration page. At the top is a blue header bar containing two light blue buttons labeled "CONTACT US" and "ABOUT US". On the right side of the header is a circular profile picture placeholder with a blue square containing the number "2". Below the header, the main content area has a white background. At the top of this area is a white box with the text "USER REGISTER" in red. Below this are three input fields arranged vertically. To the left of each input field is a label: "EMAIL", "USER ID", and "PASSWORD". Below the input fields is a purple button labeled "REGISTER" with a blue square containing the number "1".

2. Login Page

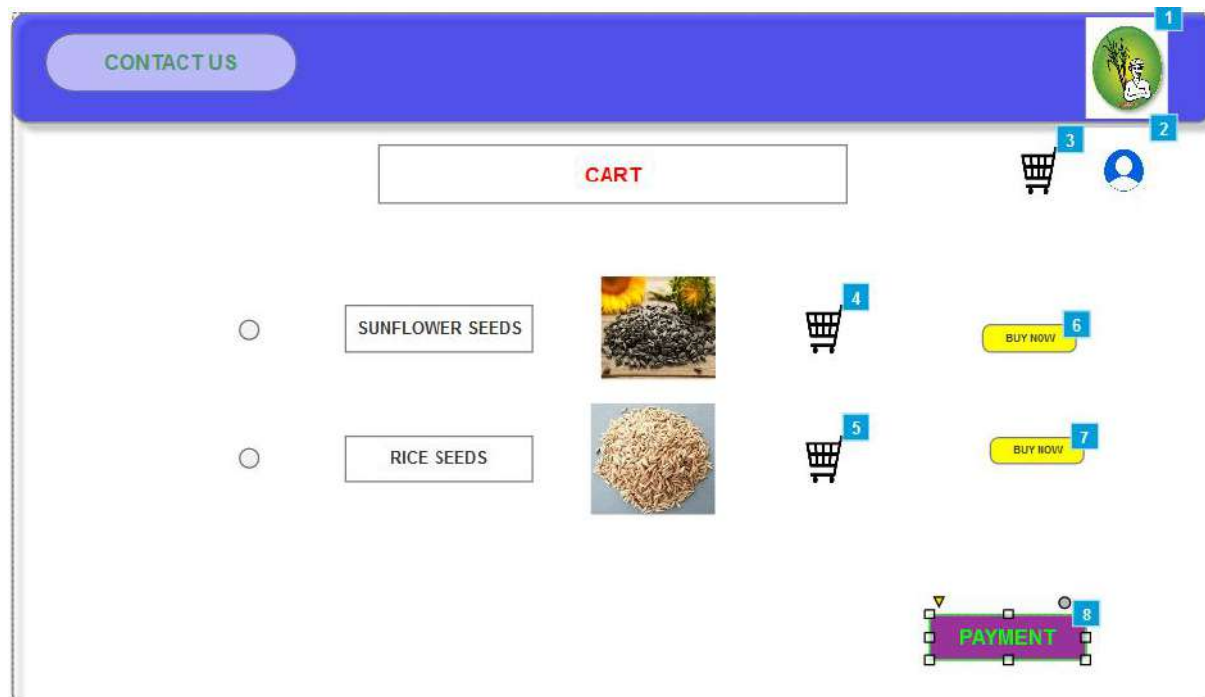


A wireframe of a login page. At the top is a blue header bar. On the right side of the header is a circular profile picture placeholder with a blue square containing the number "3". Below the header, the main content area has a white background. At the top of this area is a white box with the text "LOGIN" in red. Below this are two input fields arranged vertically. To the left of each input field is a label: "USER ID" and "PASSWOED". Below the input fields are two purple buttons. The top button is labeled "SUBMIT" with a blue square containing the number "1". The bottom button is labeled "FORGOT PASSWORD" with a blue square containing the number "2".

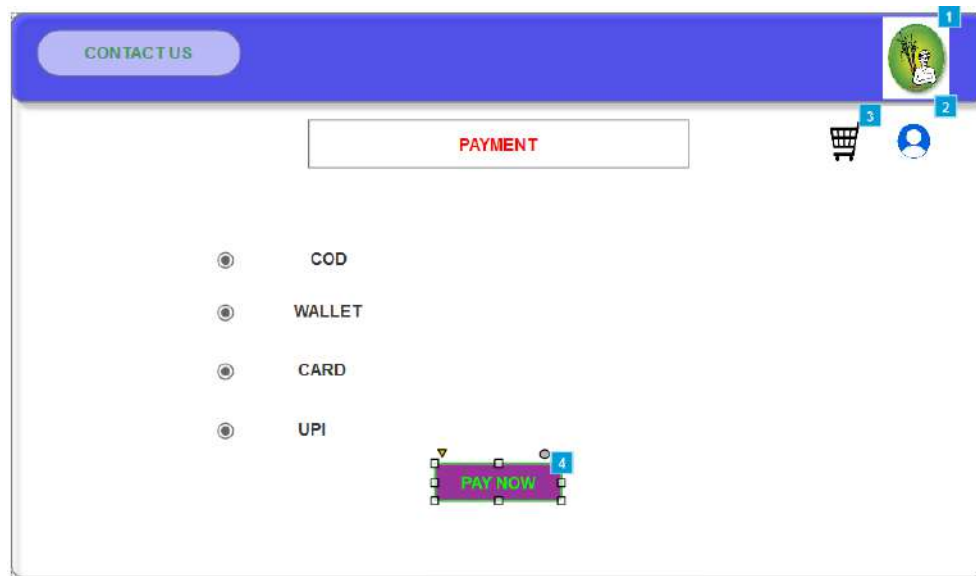
3. Home Page



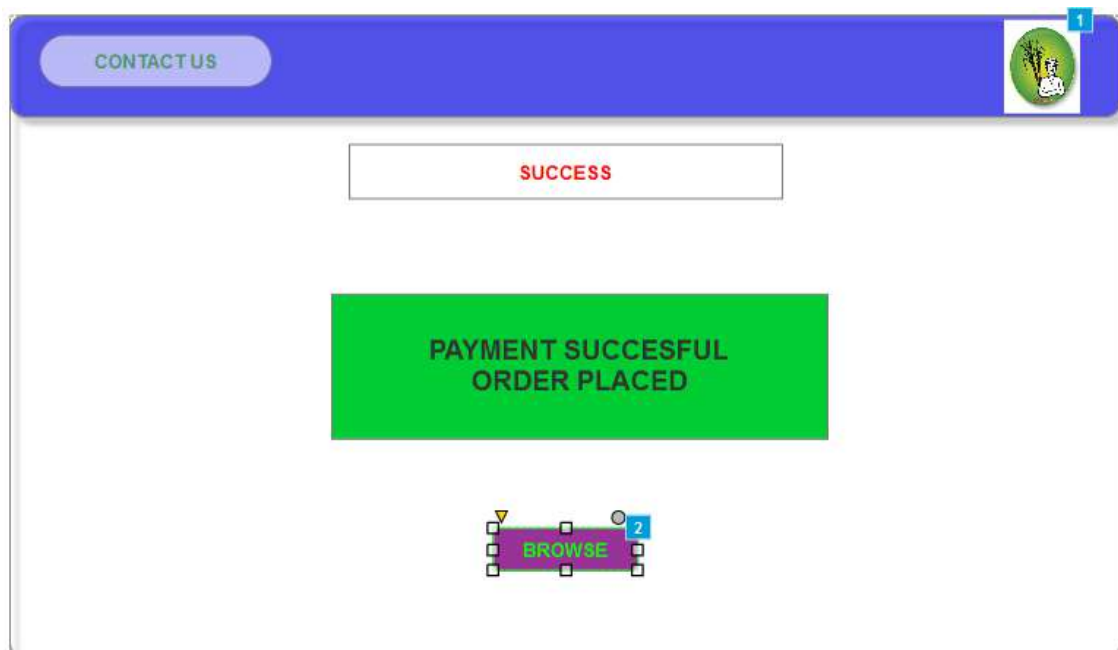
4. Chart Page



5. Payment Page



6. Order Status Page



Question: 3 – Tools (Visio, Balsamiq)

Microsoft Visio

Microsoft Visio is a professional diagramming and vector graphics tool from Microsoft 365. It enables users to create flowcharts, organizational charts, network diagrams, and floor plans with hundreds of templates and shapes. Visio allows teams to visualize data, collaborate in real time, and integrate diagrams seamlessly with other Microsoft 365 apps.

Balsamiq

Balsamiq is a user-friendly wireframing tool that mimics sketching interfaces on paper or whiteboard. It's popular for low-fidelity designs, helping teams quickly turn ideas into visual wireframes for software projects. Balsamiq features a drag-and-drop UI library, simple sharing, and fast export options for feedback and iteration.

Axure

Axure RP is a robust prototyping software favored by UX professionals for building interactive, functional prototypes and wireframes. It supports dynamic content, conditional flows, adaptive views, and rich animation. Axure enables detailed user interaction testing, specification documentation, and easy feedback collection—all without coding.

Question: 4 – RTM

Req ID	Req Name	Req Description	Design	Code	LIT (Unit Testing)	CIT (Component Testing)	SIT (System Testing)	SIT	LIAT (User Accepting Testing)
FR001	User Registration	User should register themselves	Complete	Complete	Complete	Complete	Complete	Complete	Incomplete
FR002	Search Product	User should be able to search product	Complete	Complete	Complete	Complete	Incomplete	Incomplete	Incomplete
FR003	Request Product Details	User should request for details of the product	Complete	Complete	Complete	Complete	Incomplete	Incomplete	Incomplete
FR004	Add to Cart	User should add products to the cart	Complete	Complete	Complete	Complete	Incomplete	Incomplete	Incomplete
FR005	Buy Product	User should be able to buy the product	Complete	Complete	Complete	Complete	Incomplete	Incomplete	Incomplete
FR006	Reset Password	User should reset password	Complete	Complete	Complete	Complete	Incomplete	Incomplete	Incomplete
FR007	View Orders	User should be able to view past orders	Complete	Complete	Complete	Complete	Incomplete	Incomplete	Incomplete

Question: 5 - 10 Test Case Documents

Test Case ID	TC001	Test Case Name	Register Farmer
Project ID	AG001	Project Name	Agri Products Store
PM ID	PM01	PM Name	Mr. Vandaman
Test Strategy ID	STR001	Tester ID	TST01
Test Plan ID	PLAN01	Tester Name	Jason
Test Schedule ID	SCH01	Date of Test	18-08-2025
Scenario	Farmer registers online		
Link to that page	Registration page		
Input Data	Set 1 Farmer details (name, address, mobile)		
Expected Behaviour	Success message shown and farmer profile created		
Actual Behaviour	Success message shown and profile created		
Comments	Valid details		
Results (Pass/Fail)	Pass		

Test Case ID	TC002	Test Case Name	Search Fertilizer
Project ID	AG001	Project Name	Agri Products Store
PM ID	PM01	PM Name	Mr. Vandaman
Test Strategy ID	STR001	Tester ID	TST01
Test Plan ID	PLAN01	Tester Name	Alekya
Test Schedule ID	SCH01	Date of Test	18-08-2025
Scenario	Farmer searches fertilizer		
Link to that page	Product Search page		
Input Data	Set 1 Keyword "fertilizer"		
Expected Behaviour	List of fertilizers with details		
Actual Behaviour	List displayed		
Comments	All items shown		
Results (Pass/Fail)	Pass		

Test Case ID	TC003	Test Case Name	View Product Details
Project ID	AG001	Project Name	Agri Products Store
PM ID	PM01	PM Name	Mr. Vandaman
Test Strategy ID	STR001	Tester ID	TST02
Test Plan ID	PLAN01	Tester Name	Alekya
Test Schedule ID	SCH01	Date of Test	18-08-2025
Scenario	Farmer views product info		
Link to that page	Product Details page		
Input Data	Set 1 Fertilizer product		
Expected Behaviour	Product details shown		
Actual Behaviour	Details shown		
Comments	Description and price correct		
Results (Pass/Fail)	Pass		

Test Case ID	TC004	Test Case Name	Add Product to Cart
Project ID	AG001	Project Name	Agri Products Store
PM ID	PM01	PM Name	Mr. Vandaman
Test Strategy ID	STR001	Tester ID	TST01
Test Plan ID	PLAN01	Tester Name	Jason
Test Schedule ID	SCH01	Date of Test	18-08-2025
Scenario	Farmer adds product to cart		
Link to that page	Product Catalog page		
Input Data	Set 1 Select fertilizer product		
Expected Behaviour	Product added to cart		
Actual Behaviour	Item present in cart		
Comments	Correct addition		
Results (Pass/Fail)	Pass		

Test Case ID	TC005	Test Case Name	Request Product Info
Project ID	AG001	Project Name	Agri Products Store
PM ID	PM01	PM Name	Mr. Vandaman
Test Strategy ID	STR001	Tester ID	TST02
Test Plan ID	PLAN01	Tester Name	Alekya
Test Schedule ID	SCH01	Date of Test	18-08-2025
Scenario	Farmer requests info from manufacturer		
Link to that page	Product Details page		
Input Data	Set 1 "Request info" button click		
Expected Behaviour	Info request sent, message shown		
Actual Behaviour	Request processed		
Comments	Got confirmation		
Results (Pass/Fail)	Pass		

Test Case ID	TC006	Test Case Name	Buy Product
Project ID	AG001	Project Name	Agri Products Store
PM ID	PM01	PM Name	Mr. Vandaman
Test Strategy ID	STR001	Tester ID	TST01
Test Plan ID	PLAN02	Tester Name	Jason
Test Schedule ID	SCH02	Date of Test	18-08-2025
Scenario	Farmer buys product		
Link to that page	Cart/Checkout page		
Input Data	Set 1 Cart with product, payment info		
Expected Behaviour	Payment processed and confirmation sent		
Actual Behaviour	Confirmation received		
Comments	Order placed successfully		
Results (Pass/Fail)	Pass		

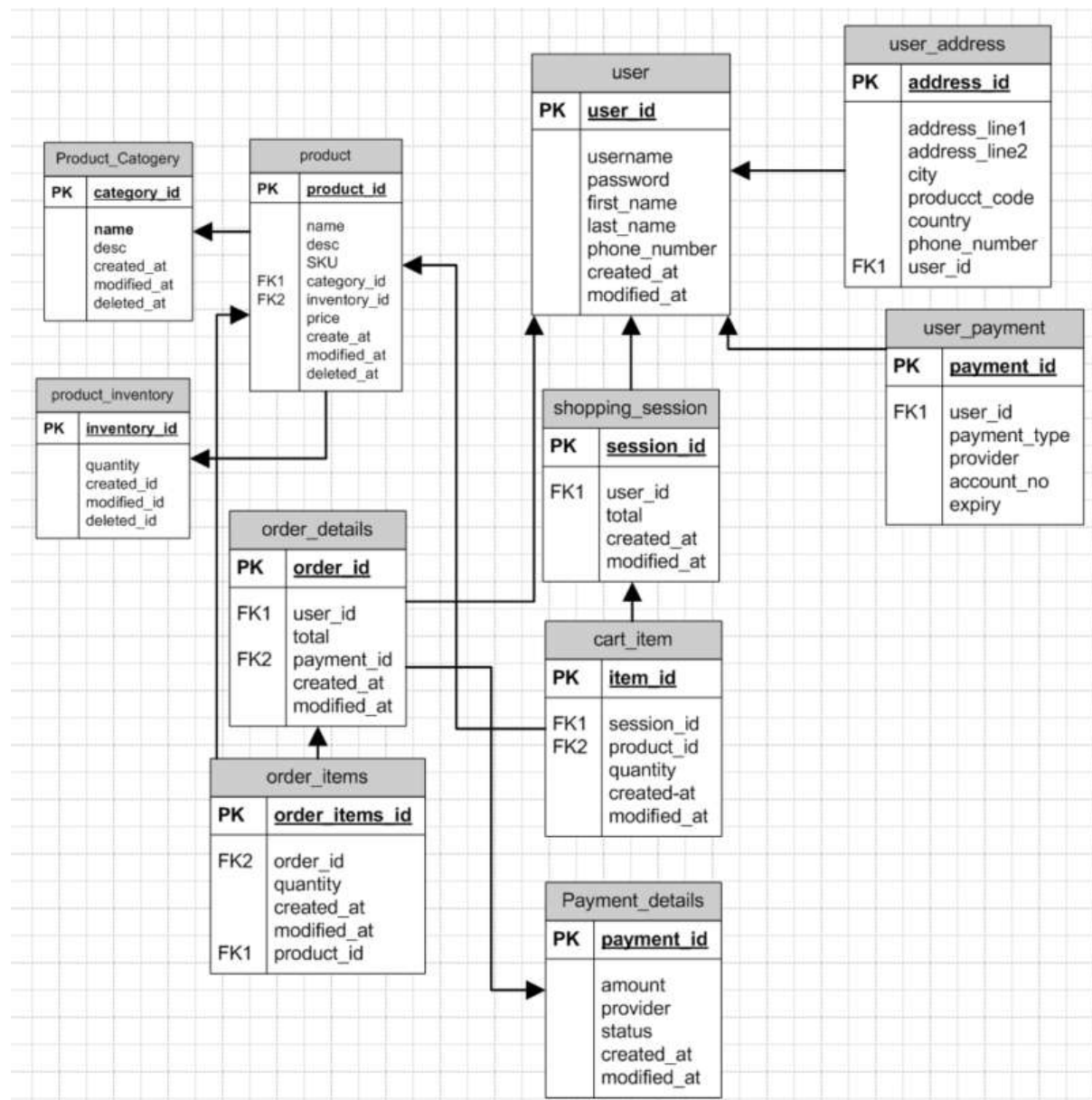
Test Case ID	TC007	Test Case Name	View Order History
Project ID	AG001	Project Name	Agri Products Store
PM ID	PM01	PM Name	Mr. Vandaman
Test Strategy ID	STR001	Tester ID	TST02
Test Plan ID	PLAN02	Tester Name	Alekya
Test Schedule ID	SCH02	Date of Test	18-08-2025
Scenario	Farmer views order history		
Link to that page	My Orders page		
Input Data	Set 1 Login, navigate to orders		
Expected Behaviour	List of all past orders		
Actual Behaviour	Orders displayed		
Comments	Details match		
Results (Pass/Fail)	Pass		

Test Case ID	TC008	Test Case Name	Cancel Order
Project ID	AG001	Project Name	Agri Products Store
PM ID	PM01	PM Name	Mr. Vandaman
Test Strategy ID	STR001	Tester ID	TST01
Test Plan ID	PLAN02	Tester Name	Jason
Test Schedule ID	SCH02	Date of Test	18-08-2025
Scenario	Farmer cancels placed order		
Link to that page	My Orders page		
Input Data	Set 1 Select placed order, click "Cancel"		
Expected Behaviour	Order cancellation confirmation		
Actual Behaviour	Cancellation done		
Comments	Money refunded		
Results (Pass/Fail)	Pass		

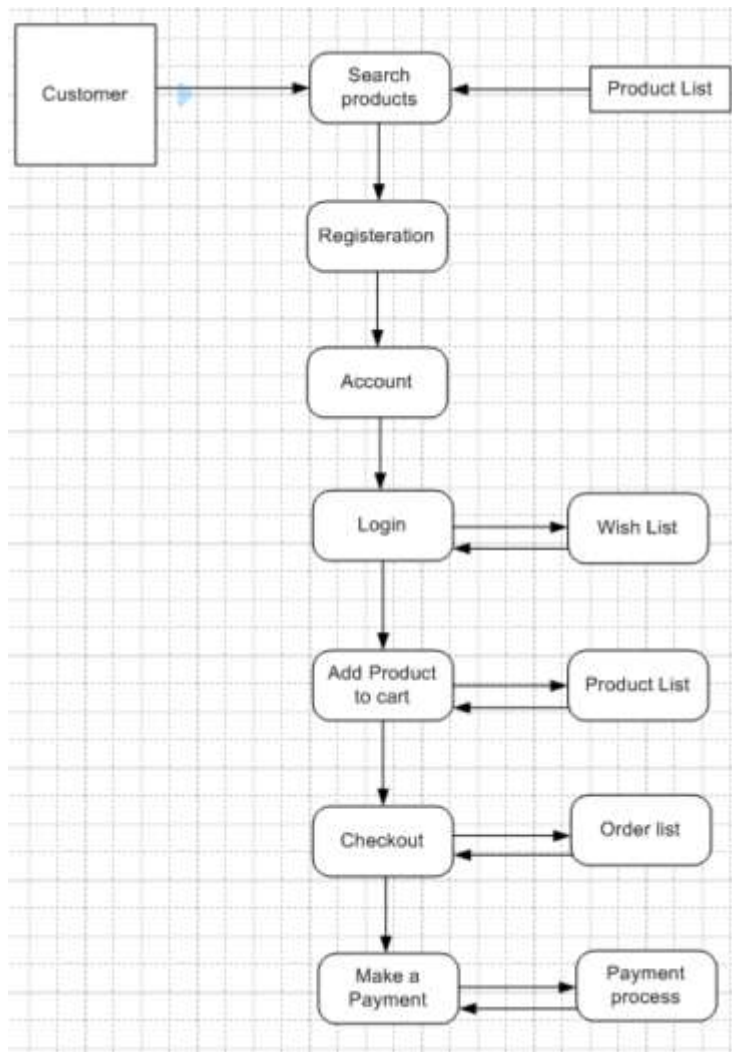
Test Case ID	TC009	Test Case Name	Rate Product
Project ID	AG001	Project Name	Agri Products Store
PM ID	PM01	PM Name	Mr. Vandaman
Test Strategy ID	STR003	Tester ID	TST02
Test Plan ID	PLAN03	Tester Name	Alekya
Test Schedule ID	SCH02	Date of Test	18-08-2025
Scenario	Farmer rates purchased product		
Link to that page	Rate Product page		
Input Data	Set 1 Select order, enter rating		
Expected Behaviour	Rating saved and displayed		
Actual Behaviour	Cancellation done		
Comments	User feedback shown		
Results (Pass/Fail)	Pass		

Test Case ID	TC010	Test Case Name	Request Support
Project ID	AG001	Project Name	Agri Products Store
PM ID	PM01	PM Name	Mr. Vandaman
Test Strategy ID	STR002	Tester ID	TST01
Test Plan ID	PLAN03	Tester Name	Jason
Test Schedule ID	SCH03	Date of Test	18-08-2025
Scenario	Farmer requests support via help		
Link to that page	Support page		
Input Data	Set 1 "Raise Support" button		
Expected Behaviour	Ticket created and ID shown		
Actual Behaviour	Ticket created		
Comments	Issue logged properly		
Results (Pass/Fail)	Pass		

Question:6 – DB Schema



Question:7 – Data Flow Diagram



Question: 8 – Change priority

1. Understand and Document

First, clearly understand the scope and details of the change request. Document all aspects of what needs to be changed in the project.

2. Impact Analysis

Analyze the impact of the change on project scope, schedule, budget, resources, and risks. Assess how the new tax structure will affect timelines, costs, and deliverables.

3. Prioritize

Prioritize the change request based on urgency, importance, and overall impact on the project goals.

4. Approval

Seek formal approval from the project sponsor or relevant authority for implementing the change.

5. Communicate

Communicate the approved change and its potential impacts to all relevant stakeholders, including the project team, to ensure transparency and proper coordination.

Question: 9 – Enhancement

This is an enhancement, not a change request. An enhancement refers to adding new features or improving the existing capabilities of the system beyond the originally agreed scope. In this case, enabling farmers to display and sell crops, along with an auction feature, expands the application's scope and value for users. These features were not part of the initial requirements and introduce new ways for farmers to engage with the application, thus qualifying as enhancements.

A change request typically involves modifications or corrections to existing features rather than introducing completely new functionalities.

Question: 10 – Estimation

Department/Role	Team Members	Estimated Man-Hours
Project Manager	Mr. Vandaman	3,500
Senior Java Developer	Ms. Juhi	4,500
Java Developers	Mr. Teyson, Ms. Lucie, Mr. Tucker, Mr. Bravo	18,000
Network Admin	Mr. Mike	2,200
DB Admin	Mr. John	2,200
Testers	Mr. Jason, Ms. Alekya	6,400
Business Analyst (BA)	You	3,200
Stakeholder/Coordination	Committee support, others	6,800

Question:11 – UAT

Planning:

In this step, blueprints are made to implement UAT testing for every feature that needs to be tested, along with defining the minimum standards for test acceptance. This ensures all key functions will be validated during UAT.

Designing:

Test cases are designed to cover all possible scenarios that the software may encounter in a real-world environment. These cases are prepared based on user requirements and business processes.

UAT Testers:

A dedicated testing team, usually consisting of end users who meet specific criteria, is formed for UAT. These testers are familiar with the functionality and know which test cases to execute to ensure the software meets their needs.

Bug Fixing:

Any bugs or issues found during UAT are reported, and the development team works on resolving these defects promptly. The aim is to make the software as error-free as possible before final acceptance.

Sign Off:

Once all critical bugs are resolved and no major issues remain, the testing team and stakeholders indicate their acceptance of the software. They conclude that the system is ready to GO LIVE, and the client provides formal sign-off to close the project.

Question:12 – Project Closure Document

A project closure document, also called a project closure report, is a formal document that summarizes the key outcomes, lessons learned, and final details of a completed project. It acts as a comprehensive record of the project's achievements, challenges, and performance, providing valuable insights for stakeholders and helping guide future projects.

Points to include in the Project Closure Document:

- Project Overview
- Achievements
- Lessons Learned
- Quality Assurance
- Resource Utilization
- Risk Management
- Challenges