FarmFundMe

A **crowdfunding platform for farmers**, where investors fund crops in exchange for harvest ownership.

👨‍🌾 1 Farmer's Journey: Registration to Harvest

Step 1: Farmer Registration

✅ **Suresh (Farmer)** visits **FarmFundMe Website**.
✅ Clicks **"Sign Up as a Farmer"**.
✅ Fills in registration details:

- **Full Name**: Suresh Patel

- **Govt ID**: 1234-5678-9101 (Aadhaar/PAN/Voter ID)

- **Phone Number**: +91-8888888888

- **Email**: sureshpatel@email.com

- **Farm Location**: Nashik, Maharashtra

- **Farm Size**: 5 Acres

- **Crops Grown**: Tomatoes, Peppers

- **Bank Account Details**: (For receiving funds & payments)
  ✅ Uploads **ID Proof & Land Ownership Proof** (PDF/JPG).
  ✅ Clicks **"Submit"**.
  ✅ **Data stored in a centralized database & sent for admin verification**.

Step 2: Administrator Approves Farmer

👨‍💼 **Amit (Admin at FSSAI)** logs into the **Admin Panel**.
🔍 Reviews **Suresh's registration request**.
✅ Cross-checks **Govt ID & Land Documents**.
✅ If valid → Clicks **"Approve Farmer"**.
❌ If rejected → Requests **resubmission** (Suresh gets a notification).
📌 **Approval recorded in the centralized database**.

Step 3: Farmer Lists Crop for Funding

✅ Suresh logs into **Farmer Dashboard**.

✅ Clicks **"Add New Crop"**.

✅ Fills in crop details:

- **Crop Name**: Tomatoes

- **Expected Yield**: 50,000 kg

- **Harvest Time**: 3 months

- **Funding Needed**: ₹200,000

- **Price per kg (After Harvest)**: ₹10
  ✅ Clicks **"Submit for Approval"**.
  📌 **Crop listing sent to admin for review**.

Step 4: Administrator Approves Crop Listing

👨‍💼 Amit (Admin at FSSAI) verifies:

✅ Land details & crop feasibility.

✅ Pricing & funding request legitimacy.

✅ Clicks **"Approve Crop Listing"**.

📌 **Now visible for investors to fund**.

💰 2 Investors' Journey: Funding the Crop

Step 5: Multiple Investors Fund Suresh's Crop

📢 Investors browse crop listings & decide to invest:

Investor	Funds Invested	Ownership (kg)
Investor 1	₹100,000	25,000 kg
Investor 2	₹50,000	12,500 kg
Investor 3	₹40,000	10,000 kg

Investor	Funds Invested	Ownership (kg)
Investor 4	₹10,000	2,500 kg

📌 **Payments recorded in the centralized database**.
📌 Each investor receives **a digital confirmation** of their harvest ownership.

🌱 3 Farmer's Journey: Harvest & Quality Testing

Step 6: Farmer Updates Harvest Status

✅ After **3 months**, Suresh clicks **"Crop Ready for Testing"**.
✅ Uploads **harvest photos & reports**.
📌 **Admin notified for quality testing**.

👨‍💼 4 Administrator's Journey: Quality Testing & Approval

Step 7: Conducts Quality Testing

👨‍💼 Amit logs into **FSSAI Inspector Dashboard**.
✅ Selects **"Quality Check - Lot 7021 (Suresh's Tomatoes)"**.
✅ Visits Suresh's farm & conducts tests:

Quality Metric	Result	Status
Moisture Level	85%	✅ Pass
Pesticide Residue	0%	✅ Pass
Size Uniformity	90%	✅ Pass
Weight Consistency	50,000 kg	✅ Pass

✅ Records **test results** & clicks **"Approve Quality Test"**.
📌 **Quality report stored in the centralized database**.

Step 8: Approve Lot for Distribution

✅ Amit clicks **"Approve Lot 7021 for Sale"**.
📌 **Now investors can claim their tomatoes**.

📦 5 Investors' Journey: Receiving the Crop

Step 9: Investors Claim Their Tomatoes

✅ Each investor logs in & sees **"Suresh's Tomatoes Ready for Pickup/Delivery"**.
✅ Clicks **"Claim My Share"**.
✅ **Each investor pays the remaining amount** based on the agreed price (**₹10/kg**):

Investor	Remaining Amount to Pay
Investor 1	₹150,000 (for 25,000 kg)
Investor 2	₹75,000 (for 12,500 kg)
Investor 3	₹60,000 (for 10,000 kg)
Investor 4	₹15,000 (for 2,500 kg)

✅ Investors select **delivery method**:

- **Pickup from Farm** (Free)
- **Home Delivery** (**₹500 extra** for logistics)
  📌 **Delivery requests recorded in the centralized system**.

🚚 6 Farmer's Journey: Crop Delivery & Final Payment

Step 10: Suresh Completes Delivery

✅ Receives **order details** from investors.
✅ Prepares & **ships tomatoes to respective buyers**.
✅ Investors receive orders & **confirm delivery in the app**.
📌 **Final payment released to Suresh**.

⭐ 7 Investors' Journey: Feedback & Rating

Step 11: Investors Leave Reviews

✅ Each investor rates **Suresh** (5/5).

✅ Leaves reviews: **"Best quality tomatoes! Fresh & juicy."**

📌 **Ratings stored in the centralized system, boosting Suresh's credibility**.

📊 **Final Outcome & Earnings Calculation**

Category	Amount
Total Revenue from Tomato Sale	₹500,000 (50,000 kg × ₹10/kg)
Total Funding Received Pre-Harvest	₹200,000
Total Remaining Payments from Investors Post-Harvest	₹300,000
Final Farmer Earnings	₹500,000 - ₹200,000 = **₹300,000 Profit**

✅ **Farmer Suresh**: **₹200,000 funding** + **₹300,000 post-harvest earnings**.

✅ **Investors**: Received tomatoes at ₹10/kg with **secured ownership**.

✅ **FSSAI Admin (Amit)**: Ensured **transparency & quality**.

Government Regulation: Role of FSSAI

- ✅ **FSSAI** (Food Safety and Standards Authority of India) oversees **quality & safety checks**.

- ✅ Ensures **funded crops meet food safety guidelines** before investor distribution.

- ✅ **Acts as a regulatory body** to prevent fraud & protect investors.

SDG's Involved

1 SDG 2 – Zero Hunger

✅ Supports **sustainable agriculture** by providing farmers with direct funding.

✅ Increases **food production** and improves food security by ensuring fair investment.

2 SDG 8 – Decent Work & Economic Growth

✅ Empowers farmers with **financial stability** and access to investment.

✅ Creates **job opportunities** in agriculture, logistics, and quality assurance.

These two SDGs highlight FarmFundMe's impact on **food security** and **economic empowerment**.