



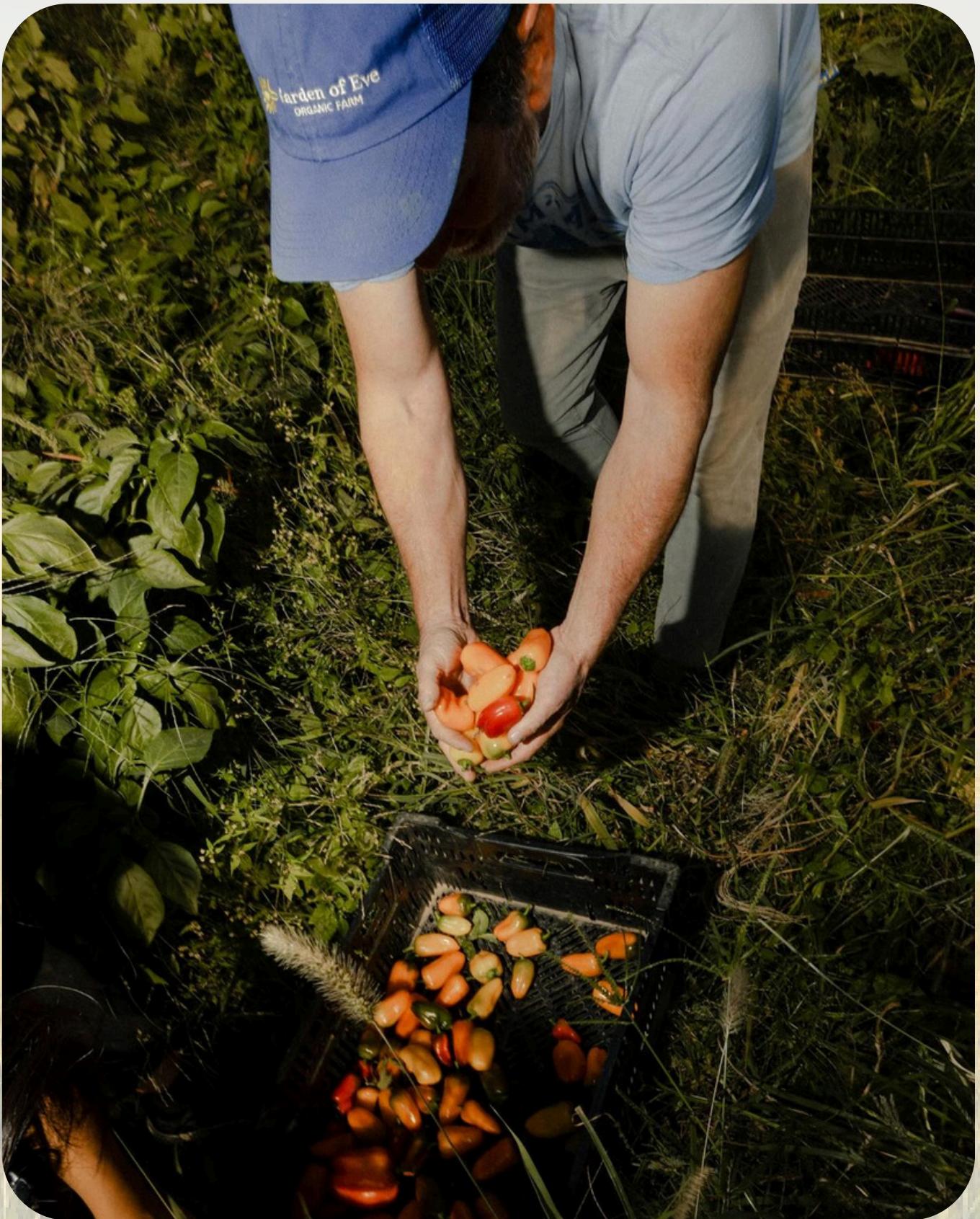
# Farmer Assistant System

**Subscribe  
To Your Farm's  
Success**

**Manage Crops,  
Track Profits,  
Grow Smarter**

**Explore  
Nearby Farms**





# Introduction

**Introduction Good morning everyone.  
We are team Farmer Assistant  
presenting our graduation project:  
Farmer Service System Management  
System (Farmer Assistant)**

# The Main Problem

**Farmers struggle with no unified digital system to simplify their work.**

- Manage crops without smart tools
- Track profit through guesswork
- Work harder, not smarter



# Objectives

- **Unified Farm Dashboard** – Manage all your crops, track stock levels, and monitor profits from a single screen.
- **Smart Alerts System** – Get notified about low inventory, ideal planting times, and urgent farm tasks before it's too late.
- **Per-Crop Profit Tracker** – See exactly what each crop earns you, with clear breakdowns of costs and revenue.
- **Local Network Finder** – Connect with nearby markets, suppliers, and fellow farmers in your region.
- **Farmer Community Hub** – Share insights, ask questions, and explore farms across Egypt.
- **AI Farming Insights** – Receive personalized recommendations for crops, irrigation, and sustainability.
- **Always Accessible** – Available 24/7 on mobile and desktop, so your farm never sleeps.

**Result:**

**Work smarter, not harder**  
**with data, community, and clarity right at your fingertips.**



# Profits

## Farmer Assistant Subscription Plans

**Farmer Assistant offers flexible and scalable pricing designed to support farmers at every stage—from beginners to large-scale commercial operations.**

### Subscription Tiers & Pricing:

#### Free Trial

**0 EGP 2 weeks**

(Trying the platform risk-free)

#### Basic

**4,000 EGP Per month**

(Small farms, entry-level management)

#### Pro

**9,000 EGP 6 months**

(Growing farms, advanced analytics)

#### Premium

**15,000 EGP Per year**

(Large farms, AI & predictive insights)

The screenshot shows the 'Choose Your Plan' section of the Farmer Assistant website. At the top, it says 'Stay Connected to Your Crops' and 'Select the perfect plan for your farming needs. All plans include a 14-day free trial.' Below are four plan options:

- 1 month 4000 EGP/month**: Labeled 'Basic', described as 'Perfect for getting started with crop management'. Features: 1-month access, basic notifications, crop tracking up to 5 types, email support, stock level monitoring, mobile app access. [Get Started](#)
- 6 months 9000 EGP/6 months**: Labeled 'Most Popular', described as 'Best value for serious farmers'. Features: 6-month access, advanced analytics & reports, unlimited crop tracking, weather integration, priority support, market insights, export data reports, custom alerts. [Get Started](#)
- 1 year 15000 EGP/year**: Labeled 'Premium', described as 'Ultimate package with AI-powered features'. Features: 1-year access, AI recommendations, unlimited crop tracking, advanced market insights, predictive analytics, 24/7 priority support, dedicated account manager, custom integrations, early access to new features. [Get Started](#)
- 2 weeks FREE**: Labeled 'Free Trial', described as 'Manage your crops free for 2 weeks - no credit card required'. Features: 2-week free crop management, add, edit, and track your crops, monitor stock levels, view crop status, after trial: crop management will be suspended, upgrade to continue managing crops. [Start Free Trial](#)

At the bottom, there are links for 'Secure Payment', 'SSL Encrypted', '14-Day Free Trial', and 'Cancel Anytime'. A 'Frequently Asked Questions' section includes answers for changing plans, payment methods, and refunds.

# Profits



## Basic Plan

**4000 x 12 = 48,000**

If Subscription is renewed every month

## Pro Plan

**9000 x 2 = 18,000**

If Subscription is renewed every 6 months

## Premium Plan

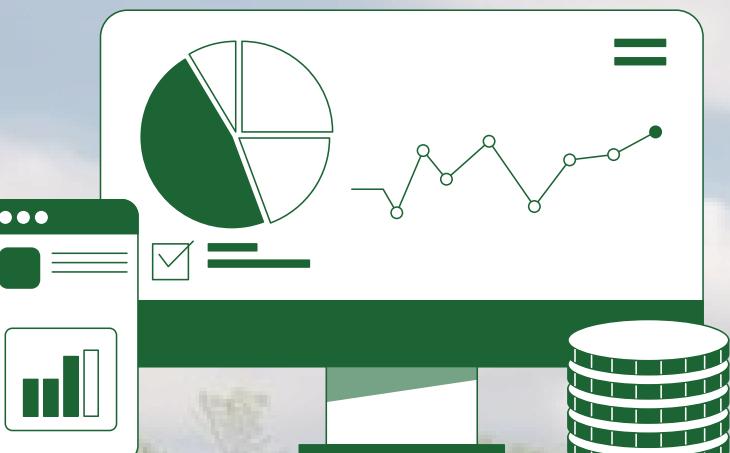
**15000 x 1 = 15,000**

If Subscription is renewed every 12 months

The screenshot shows the 'Choose Your Plan' section of the Farmer Assistant website. At the top, it says 'Stay Connected to Your Crops' and 'Select the perfect plan for your farming needs. All plans include a 14-day free trial.' Below this are four plan options:

- 1 month** **4000 EGP /month**: Labeled 'Basic'. Includes 1-month access, basic notifications, crop tracking up to 5 types, email support, stock level monitoring, and mobile app access. A 'Get Started' button is present.
- 6 months** **9000 EGP /6 months**: Labeled 'Most Popular'. Includes 6-month access, AI recommendations, unlimited crop tracking, advanced market insights, predictive analytics, 24/7 priority support, dedicated account manager, custom integrations, and early access to new features. A 'Get Started' button is present.
- 1 year** **15000 EGP /year**: Labeled 'Premium'. Includes 1-year access, AI-powered features like AI recommendations and advanced market insights. A 'Get Started' button is present.
- 2 weeks** **FREE**: Labeled 'Free Trial'. Includes a 2-week free crop management trial with add, edit, and track features, monitor stock levels, view crop status, and upgrade options. A 'Start Free Trial' button is present.

At the bottom of the page, there are links for secure payment, SSL encryption, a 14-day free trial, and cancel anytime. A 'Frequently Asked Questions' section is also visible.



# Types of Business Models

## 1 - Business to Business (B2B)

1 A business sells products or services to another business, not directly to individual customers.

## 2 - Business to Customer (B2C)

2 A business sells directly to individual customers, where the company provides its products

## 3 - Subscription-Based Business Model

3 Customers pay regular fees (monthly, semi-annual, yearly) to use the service.

## 4 - On-Demand Business Model

4 Services are provided only when the user requests them, usually in real-time.



# 1 - Business to Business (B2B)

## Definition:

**A business sells products or services to another business, not directly to individual customers.**

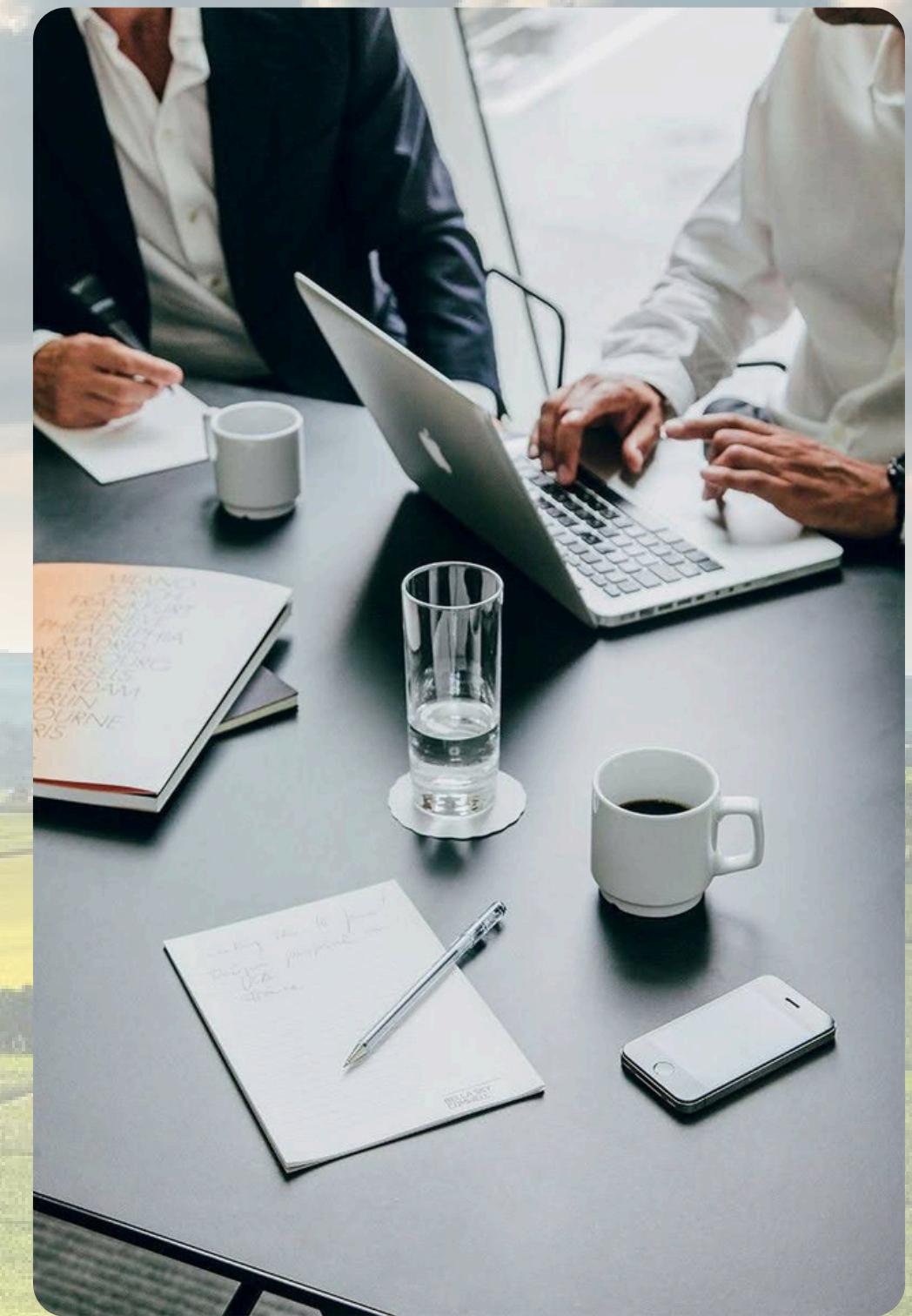
## Examples:

- \*Software company selling systems to farming companies**
- \*Agricultural suppliers using your system to manage multiple farmers**

## In your system:

- You can sell the system to agricultural companies, cooperatives, or large farms**
- One company account manages many farmers**

 Yes, our system can support B2B



## 2 - Business to Customer (B2C)

### Definition:

**A business sells directly to individual customers.**

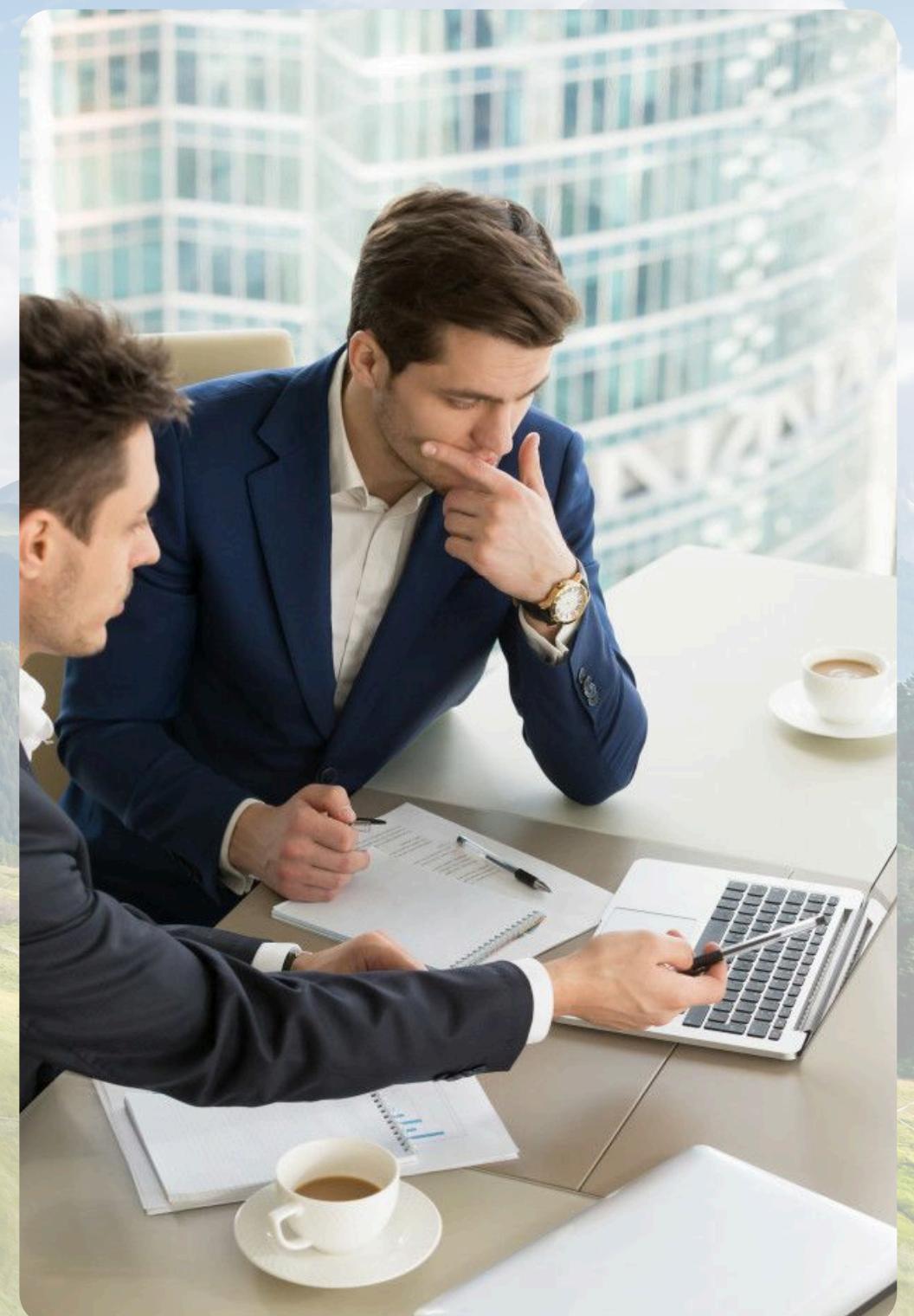
### Examples:

- A farmer subscribing to your app
- Individual users managing their own crops

### In your system:

- Each farmer creates an account
- Manages his crops, profits, alerts, and profile

 This is our **MAIN** business model



# 3 - Subscription-Based Business Model

## Definition:

**Customers pay regular fees (monthly, semi-annual, yearly) to use the service.**

## Examples:

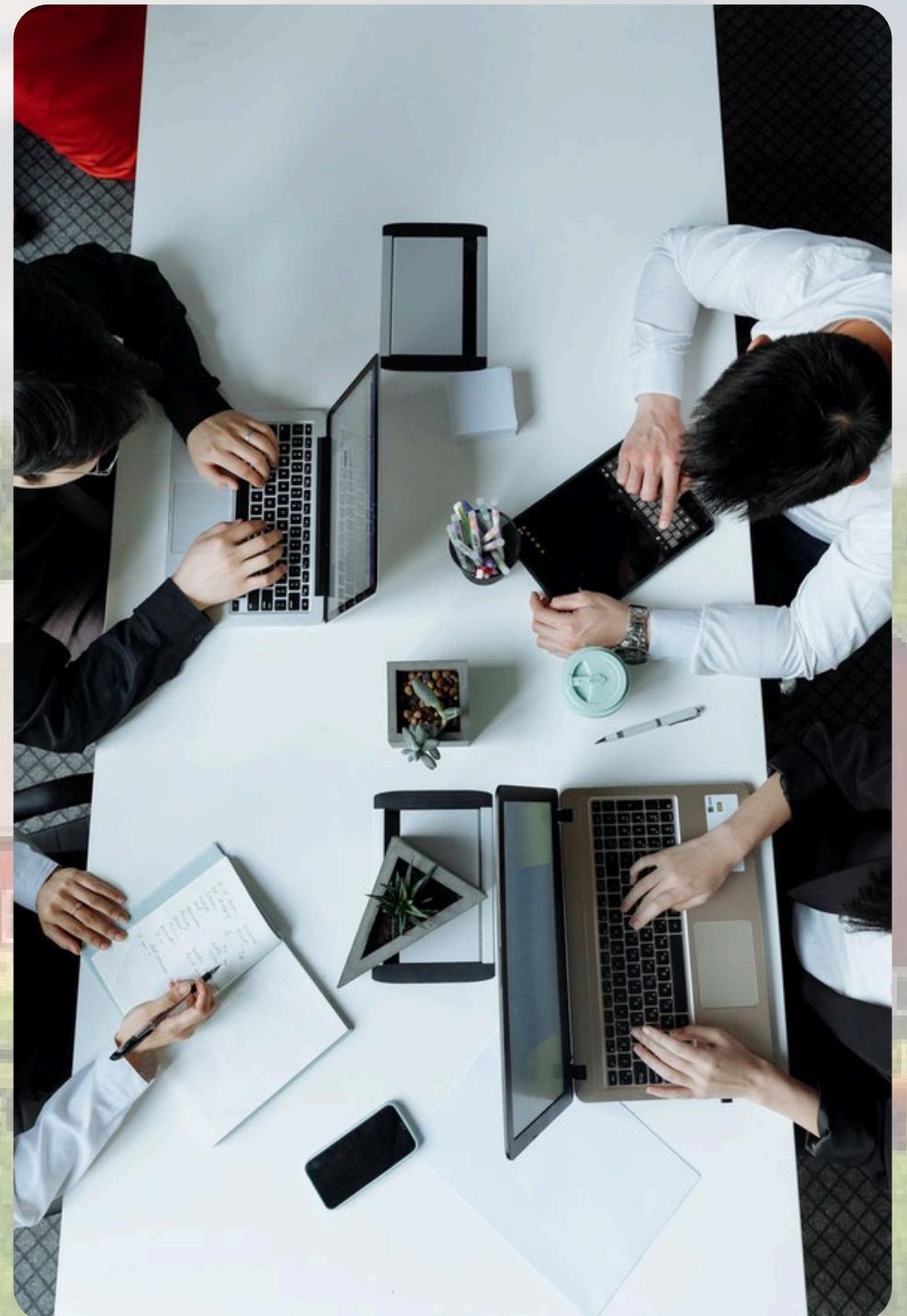
- Netflix
- Spotify
- SaaS applications

## In your system:

- Basic (1 month)
- Pro (6 months)
- Premium (1 year)

**Payment gives access to features based on plan**

**Core revenue model of our system**



## 4 - On-Demand Business Model

### Definition:

**Services are provided only when the user requests them, usually in real-time.**

### Examples:

- **Uber**
- **Food delivery apps**
- **Location-based services**

### In your system:

- **Finding nearest place using maps**
- **Real-time stock alerts**
- **Instant notifications**
- **Requesting supplier locations when needed**



✓ Used as a **supporting model**

# Tools Used

## Frontend

**User Interface(UI) & User Experience(UX):**

**Figma**

**Core Framework:**

- **React 18.3.1**
- **React DOM 18.3.1**

**Build Tool:**

- **Vite 6.3.5**

**Styling:**

- **Tailwind CSS**

## Backend

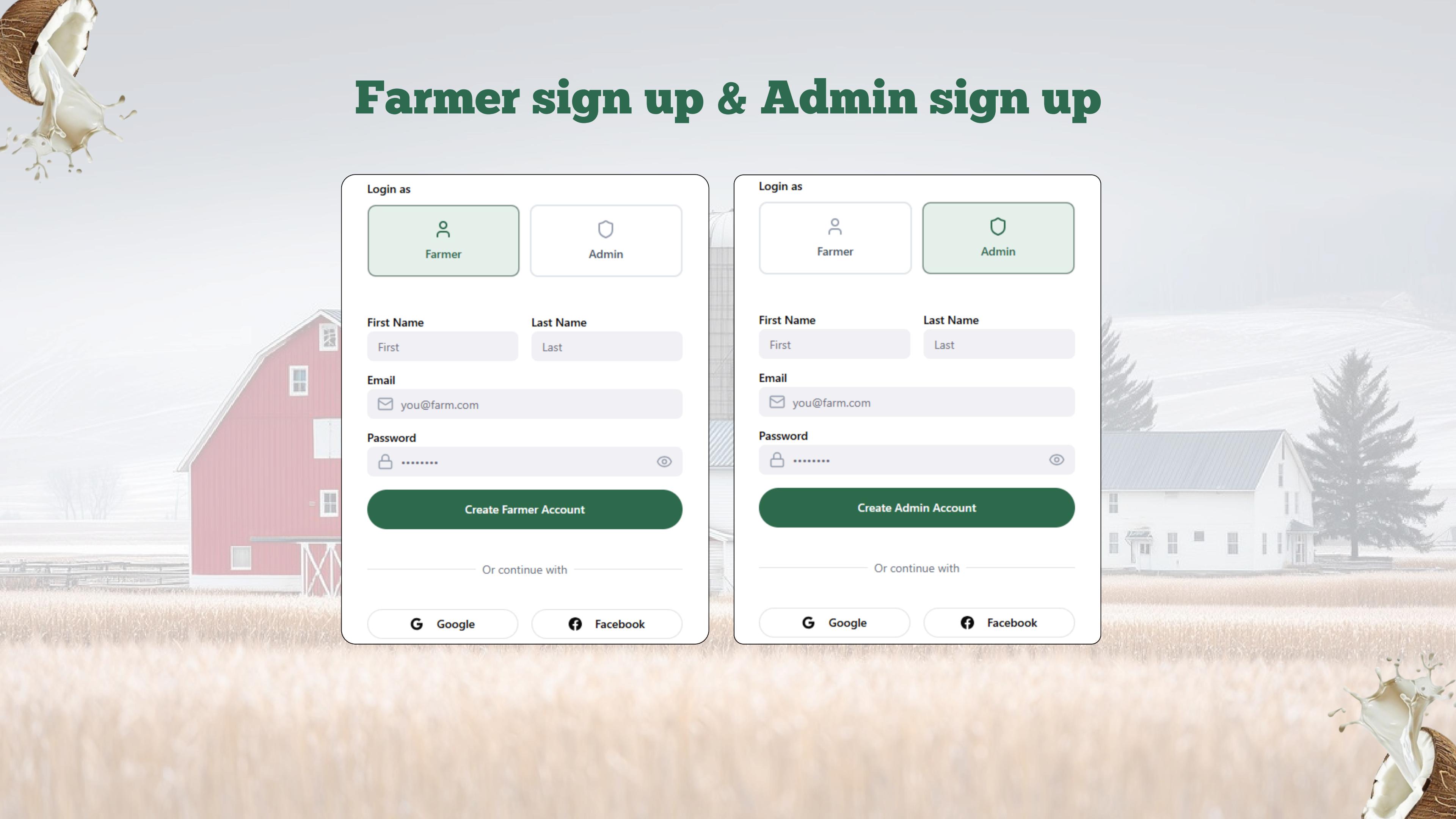
**Runtime & Framework:**

- **Node.js**
- **Express.js 4.18.2 (web framework)**
- **REST APIs built with Express.js (Node.js)**

**Database:**

- **XAMPP Control Panel v3.3.0**
- **MySQL (via mysql2 3.15.3)**

# Farmer sign up & Admin sign up



Or continue with

Or continue with

**Login as**

**Farmer** **Admin**

**First Name** **Last Name**

First Last

**Email**

you@farm.com

**Password**

.....

**Create Farmer Account**

**Create Admin Account**

**G Google** **f Facebook**

**G Google** **f Facebook**

# Home Page

Farmer Assistant

Profile About Contact دعوهای اینستاگرام Dashboard Logout

AI-Powered Farming Intelligence

Admin Dashboard - Manage Your Farming Platform

Monitor farmers, track subscriptions, and analyze profits across your platform

Explore Farms Profit

Manage Your Farming Platform with Ease

Our comprehensive admin platform provides you with powerful tools to manage farmers, track subscriptions, and analyze profits. Monitor your entire farming network from one centralized dashboard and make data-driven decisions to grow your platform.

Go to Dashboard

Admin Platform Features

Manage your farming platform with powerful admin tools

Manage Farmers Track Profits Analytics & Reports

View all registered farmers, their subscriptions, and track their activity Monitor total profits per farmer and analyze revenue across your platform View subscription distribution and platform-wide statistics

AI-Powered Assistant

AI Chat Assistant

Get instant answers and support with our AI-powered chat assistant. Ask questions about platform management, farmer analytics, subscription plans, or any other admin-related queries. The AI assistant is available 24/7 to help you make informed decisions and manage your platform efficiently.

Platform Management Support  
Real-time Analytics Insights  
24/7 Available Support

Farmer Assistant

Profile About Contact دعوهای اینستاگرام Dashboard Logout

AI-Powered Farming Intelligence

Admin Dashboard - Manage Your Farming Platform

Monitor farmers, track subscriptions, and analyze profits across your platform

Explore Farms Profit

Manage Your Farming Platform with Ease

Our comprehensive admin platform provides you with powerful tools to manage farmers, track subscriptions, and analyze profits. Monitor your entire farming network from one centralized dashboard and make data-driven decisions to grow your platform.

Go to Dashboard

Admin Platform Features

Manage your farming platform with powerful admin tools

Manage Farmers Track Profits Analytics & Reports

View all registered farmers, their subscriptions, and track their activity Monitor total profits per farmer and analyze revenue across your platform View subscription distribution and platform-wide statistics

AI-Powered Assistant

AI Chat Assistant

Get instant answers and support with our AI-powered chat assistant. Ask questions about platform management, farmer analytics, subscription plans, or any other admin-related queries. The AI assistant is available 24/7 to help you make informed decisions and manage your platform efficiently.

Platform Management Support  
Real-time Analytics Insights  
24/7 Available Support

# Profile Page

Farmer Assistant

Profile Contact العربية Dashboard Logout

العربية

## My Profile

Manage your personal information and farm details

 Admin User  
farm name  
6 acres 0

👤 Full Name: Admin User ✉️ Email Address: user@farmer.com

📞 Phone Number: 122333665 📋 Farm Name: farm name

📍 Farm Size (acres): 6 📍 Location:

📍 Full Address:

**Bio / About Your Farm**  
Tell us about your farming experience...

📷 Profile Picture Upload  
Your profile picture is automatically saved when you upload it

- ✓ Instant Upload: Click the camera icon and select your image
- ✓ Auto-Save: Your photo is saved automatically to the cloud
- ✓ Supported Formats: JPG, PNG, GIF, WebP (Max 5MB)
- Secure Storage: Your images are encrypted and stored securely

💡 Tip: Use a clear photo of yourself or your farm logo for best results

👤 Farmer Assistant  
Empowering farmers with smart crop management and AI-driven insights.

🔗 Quick Links  
[Home](#) [Help Center](#)  
[About](#) [Privacy Policy](#)  
[Pricing](#) [Terms of Service](#)  
[Contact](#) [FAQ](#)

✉️ Get in Touch  
support@farmerassistant.com

🌐 🐦 📷 🔗

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# About Page

 Farmer Assistant

Profile About Contact  العربية [Dashboard](#) [Logout](#)

Admin Platform - About Your Management System

Your comprehensive platform for managing farmers, tracking subscriptions, and analyzing profits across the farming network



Platform Management

Comprehensive tools to manage farmers, subscriptions, and monitor platform performance



Analytics & Insights

Track profits, analyze subscription distribution, and gain insights into platform growth



Farmer Support

Monitor farmer activity, manage subscriptions, and ensure platform success

**Platform Statistics**

Key metrics and statistics about your farming platform



500+

Total Farmers



85%

Active Subscriptions



2.5M+

Total Revenue (EGP)



12

Platform Regions

# Location Detection

Farmer Assistant  
ahmed alaa

- Home
- My Crops
- Explore Farms**
- Notifications
- Subscription
- Settings

Upgrade to Premium  
Get AI recommendations and priority support  
[Upgrade Now](#)

Explore Farms in Egypt  
Connect with farming communities across the country

Search farms, crops, or regions... All Types Luxor

Explore Farms Across Egypt  
Showing directions to Luxor Agricultural Hub

Legend: Organic (Green), Conventional (Orange), Mixed (Blue)

Map showing locations of farms in Egypt, with a large black arrow pointing to the Luxor area.

Total Farmers: 395 Total Area: 3480 ha Regions: 10

Featured Farms: Luxor Agricultural Hub (4.8 stars, 220 km, Wheat, Corn, 42 farmers)

Network Stats:

Active Farms	127
Total Farmers	3,450
Regions Covered	12
Avg Growth	+28%

Learn from Others, Build Your Network, Share Success

# Location Search & Filteration

Farmer Assistant  
ahmed alaa

- Home
- My Crops
- Explore Farms**
- Notifications
- Subscription
- Settings

Upgrade to Premium  
Get AI recommendations and priority support  
[Upgrade Now](#)

Explore Farms in Egypt  
Connect with farming communities across the country

Search farms, crops, or regions... All Types Luxor

Explore Farms Across Egypt  
Showing directions to Luxor Agricultural Hub

Legend: Organic (green), Conventional (orange), Mixed (blue)

Map showing locations in Egypt, with a green route line from Luxor to the Luxor Agricultural Hub. The map includes labels for major cities like Cairo, Alexandria, and Luxor, along with various agricultural regions.

Total Farmers: 395 | Total Area: 3480 ha | Regions: 10

Featured Farms: Luxor Agricultural Hub (4.8 stars, 220 km away, 42 farmers, Wheat, Corn, Mixed)

Network Stats:

Active Farms	127
Total Farmers	3,450
Regions Covered	12
Avg Growth	+28%

Learn from Others, Build Your Network, Share Success

# Contact Page

Farmer Assistant

Profile Contact العربية Dashboard Logout

العربية

## Contact Inquiries

Manage and respond to contact form submissions from farmers

Total	4	
New	1	
Read	1	
Replied	1	
Resolved	1	

Search inquiries by name, email, or subject... All New Read Replied Resolved

**John Farmer** New  
john@farm.com  
**How can we help you?**  
  
I need help with setting up my farm profile and adding crops to the system.  
2 hours ago Unread

**Sarah Smith**  
sarah@farm.com  
**Subscription Question**  
  
I want to upgrade my subscription plan. Can you help me with the process?  
5 hours ago

**Mike Johnson** Replied  
mike@farm.com  
**Technical Support**  
  
I am experiencing issues with the crop tracking feature. The data is not syncing properly.  
1 day ago

**Emily Davis** Resolved  
emily@farm.com  
**Feature Request**  
  
It would be great to have a mobile app for the platform. Is this in development?  
3 days ago

**Inquiry Details**

Name: John Farmer  
Email: john@farm.com  
Subject: How can we help you?  
Message: I need help with setting up my farm profile and adding crops to the system.  
Status: New  
Submitted: 2 hours ago

Reply via Email Mark Read Mark Replied Resolve Delete

# Contact Form

## For farmers reviews

### Get in Touch

Have a question or need support? We're here to help you succeed.

#### Send us a Message

**First Name**

John

**Last Name**

Farmer

**Email**

john@farm.com

**Subject**

How can we help you?

**Message**

Tell us more about your inquiry...

 Send Message

#### Contact Information



Email  
support@farmerassistant.com



Phone  
+1 (234) 567-890



Address  
123 Agriculture Ave  
Farmville, CA 94016

#### Office Hours

Monday - Friday

9:00 AM - 6:00 PM

Saturday

10:00 AM - 4:00 PM

Sunday

Closed

# we can see interfaces

## Admin Dashboard

**Farmer Assistant**  
Admin User(Admin)

**Admin Dashboard**  
Manage farmers, subscriptions, and view system statistics

Total Farmers: 6  
Subscribed Farmers: 3  
Total Revenue: 19,000 EGP  
Total Farmers Profit: 112,425 EGP

Subscription Plans Distribution:

- Basic Plan: 1 Farmers
- Pro Plan: 0 Farmers
- Premium Plan: 1 Farmers

**Farmers & Subscriptions**

User	Email	Subscription Status	Total Profit
raneem ibrahem	raneem@farmer	Basic 1 month	11,880 EGP
adhm azoz	adhm@farmer.com	Free Trial 2 weeks	8,100 EGP
nada azoz	nadaazoz@farm.com	No Subscription	8,640 EGP
malak samir	malak@farmer.com	No Subscription	25,200 EGP
ahmed alaa	alaa@farmer.com	Premium 1 year	26,880 EGP
Demo Farmer	demo@farmer.com	No Subscription	31,725 EGP

# we can see interfaces

Farmers & Subscriptions

Total Farmers: 6  
Subscribed Farmers: 3  
Subscription Revenue: 19,000 EGP  
Total Crop Profit: 112,425 EGP

**Total Profit Summary**

Subscription Revenue: 19,000 EGP  
Crop Profit: 112,425 EGP  
Combined Total: 131,425 EGP

Subscription Plans Distribution

Plan	Count	Farmers
Basic Plan	1	Farmers
Pro Plan	0	Farmers
Premium Plan	1	Farmers

**Subscription Revenue**

Revenue from active subscriptions - Each farmer's subscription price

Farmer	Email	Subscription Plan	Subscription Profit
raneem ibrahem	raneem@farmer	Basic (1 month)	4,000 EGP
adhm azoz	adhm@farmer.com	Free Trial (2 weeks)	0 EGP
nada azoz	nadaazoz@farm.com	No Subscription	0 EGP
malak samir	malak@farmer.com	No Subscription	0 EGP
ahmed alaa	alaa@farmer.com	Premium (1 year)	15,000 EGP
Demo Farmer	demo@farmer.com	No Subscription	0 EGP

**Crop Profit**

Profit from farmer crop sales - Calculated from crop quantities and prices

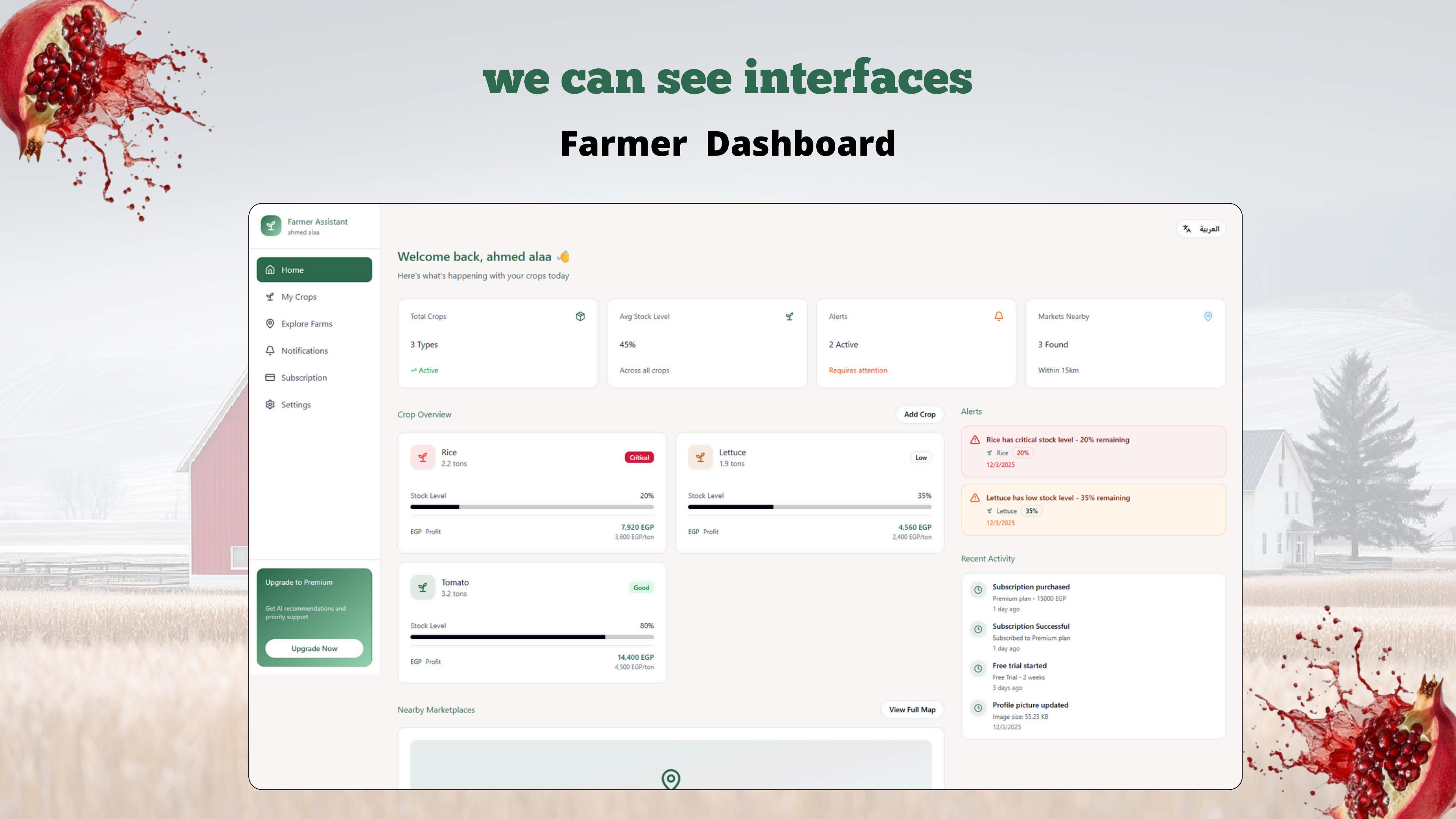
Farmer	Email	Crop Profit	Actions
raneem ibrahem	raneem@farmer	11,880 EGP	<a href="#">View Details</a>
adhm azoz	adhm@farmer.com	8,100 EGP	<a href="#">View Details</a>
nada azoz	nadaazoz@farm.com	8,640 EGP	<a href="#">View Details</a>
malak samir	malak@farmer.com	25,200 EGP	<a href="#">View Details</a>
ahmed alaa	alaa@farmer.com	26,880 EGP	<a href="#">View Details</a>
Demo Farmer	demo@farmer.com	31,725 EGP	<a href="#">View Details</a>

Crops Profit partition

Subscription revenue partition

# we can see interfaces

## Farmer Dashboard



Farmer Assistant ahmed alaa

\*A العربية

Welcome back, ahmed alaa 🙌

Here's what's happening with your crops today

Total Crops 3 Types Avg Stock Level 45% Alerts 2 Active Markets Nearby 3 Found

Rice 2.2 tons Lettuce 1.9 tons Tomato 3.2 tons

Critical Low Good

Stock Level 20% 35% 80%

EGP Profit 7,920 EGP 4,560 EGP 14,400 EGP

3,600 EGP/ton 2,400 EGP/ton 4,500 EGP/ton

Add Crop

Alerts

Rice has critical stock level - 20% remaining Rice 20% 12/3/2025

Lettuce has low stock level - 35% remaining Lettuce 35% 12/3/2025

Recent Activity

Subscription purchased Premium plan - 15000 EGP 1 day ago

Subscription Successful Subscribed to Premium plan 1 day ago

Free trial started Free Trial - 2 weeks 3 days ago

Profile picture updated Image size: 55.23 KB 12/3/2025

Upgrade to Premium Get AI recommendations and priority support Upgrade Now

Nearby Marketplaces View Full Map

# we can see interfaces

## Farmer Dashboard My Crops inner page

The screenshot displays a modern web-based farmer dashboard. At the top left is a user profile for "Farmer Assistant ahmed alaa". On the right, there's a language switch to "العربية" (Arabic). The main title "My Crops" is centered above a subtitle "Manage and monitor all your crops in one place". Below this, a filter bar shows "All (3)" selected, along with "Good (1)", "Low Stock (1)", and "Critical (1)". The dashboard lists three crops in cards:

- Rice**: 2.2 tons, **Critical** stock level (20%). Last updated: 12/3/2025. Includes an "Edit Crop" button.
- Lettuce**: 1.9 tons, **Low** stock level (35%). Last updated: 12/3/2025. Includes an "Edit Crop" button.
- Tomato**: 3.2 tons, **Good** stock level (80%). Last updated: 12/3/2025. Includes an "Edit Crop" button.

On the far left is a sidebar with navigation links: Home, My Crops (highlighted in green), Explore Farms, Notifications, Subscription, and Settings. At the bottom of the sidebar is a green call-to-action button for "Upgrade to Premium" with the text "Get AI recommendations and priority support" and a "Upgrade Now" button.

**Upgrade to Premium**  
Get AI recommendations and priority support  
Upgrade Now

# we can see interfaces

## Farmer Dashboard Subscription inner page

**Subscription**  
Manage your subscription and billing information

**Premium Plan**  
1 year subscription

**15000 EGP / 1 year**

**Start Date**  
December 22, 2025

**End Date**  
December 22, 2026

**14-Day Free Trial Active**  
Your trial ends on December 22, 2025. You won't be charged until then.

**Your Plan Features**

- AI recommendations
- 24/7 priority support
- Custom integrations
- Unlimited crop tracking
- Predictive analytics
- Early access to features

**Manage Subscription**

**Upgrade to Premium**  
Get AI recommendations and priority support

**Upgrade Now**

# Digital Marketing Strategy

## Objective

- Increase awareness of the Farmer Assistant system
- Attract farmers to use the platform online

## Digital Channels

- Facebook Pages & Groups

## Reach farmers through agricultural communities

- Website & Landing Page

## Clear system explanation and Free Trial access

- Facebook & Instagram Ads

## Target farmers in agricultural areas



# SWOT Analysis (Digital Marketing)

## Strengths

- Easy-to-use digital platform
- Solves real farming problems
- Free Trial builds trust
- Accessible on mobile and desktop

## SWOT ANALYSIS

## Opportunities

- Increasing digital adoption in agriculture
- Expansion to new regions and services
- Growing demand for smart farming solutions

## Weaknesses

- Limited digital awareness among some farmers
- Dependence on internet availability
- Need for user education

## Threats

- Resistance to technology adoption
- Competition from similar platforms
- Low digital literacy in rural areas

**farmer\_assistantt** ...

farmer assistant

1 post 2,888 followers 1 following

Business service

Farmer Assistant | The smart way for farmers to sell and grow  
Ismailia, Ismailia 123

 Followed by nada\_3zoz12, raneem\_ibraheem19 + 8 more

Following

Message

+8



farmer\_assistant  
A smarter way for  
farmers to connect with  
traders  
Grow Together

# **Conclusion**

**The Farmer Assistant System provides a modern and efficient solution to support farmers in managing their agricultural activities. By offering features such as crop management, stock level tracking, profit calculation, alerts for low or critical stock, notifications, and map-based services, the system helps farmers save time, reduce losses, and make better decisions. The subscription-based and business-to-customer model ensures continuous service improvement while remaining affordable and accessible. Overall, the system contributes to improving the farmer's lifestyle by simplifying farm management and enhancing productivity through technology.**



**Thank you**

**Hope you enjoy it**

**Together to help  
Farmers**

**Presented By  
Group 3**

**Supervised By  
Dr./ Hassan El Mahdy**