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<portfolio>
<developer name="Your Name" />
<role>Full Stack Developer</role>
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Software Developer **Portfolio**

SELECTED PROJECTS & CASE STUDIES

ADMOON TECHNOLOGIES

Full Stack Developer



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1. PlugU

A trusted student marketplace for buying, selling, and connecting on campus.

Project Overview

PlugU is a student-focused marketplace platform designed to create a safe and trusted environment where students can market and sell their services and products within their campus community. The platform addresses the common issue of online scams by implementing a strict verification system that requires users to register using valid student email addresses, ensuring one account per individual and significantly reducing fraudulent activities.

Beyond its marketplace functionality, PlugU features a dynamic community feed where users can share posts, ask questions, promote services ("plug"), and advertise offerings. This creates an interactive ecosystem that not only supports buying and selling but also encourages collaboration, networking, and engagement among students.

Key Features

- **Student-Only Authentication:** Verified student email registration ensures a trusted community
- **Marketplace:** Browse and list services, products, and student businesses
- **Private Messaging:** Secure communication between buyers and sellers
- **Post Creation:** Create service listings, ads, and community questions
- **Community Feed:** Interactive feed for all user activities and engagement
- **Personal Store:** User profiles function as personal storefronts

User Flow

The user journey in PlugU begins with a welcoming onboarding screen that introduces the platform's purpose. New users create an account by providing their full name, student email address, and password. The system verifies the student email to ensure only legitimate students can access the platform.



Once logged in, users land on the marketplace screen where they can browse various categories including beauty services, therapy, student businesses, and products. The intuitive navigation bar provides quick access to the Market, Messages, Community feed, and Profile sections. Users can create new listings by tapping the central plus button, which opens options for creating different types of posts.

The messaging feature enables private conversations between interested buyers and sellers, facilitating negotiations and arrangements. The community feed displays all user activities, allowing students to discover new services, engage with posts, and build connections within their campus network.



Screenshots

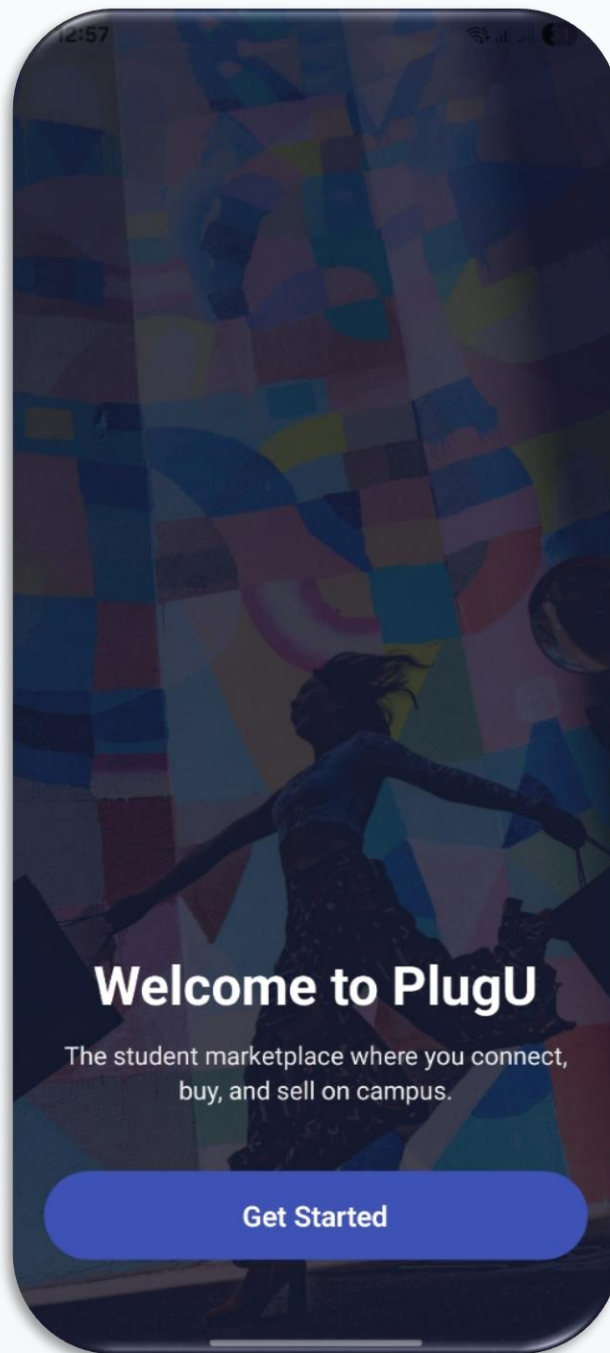


Figure 1.1: Welcome screen introducing PlugU's purpose as a student marketplace



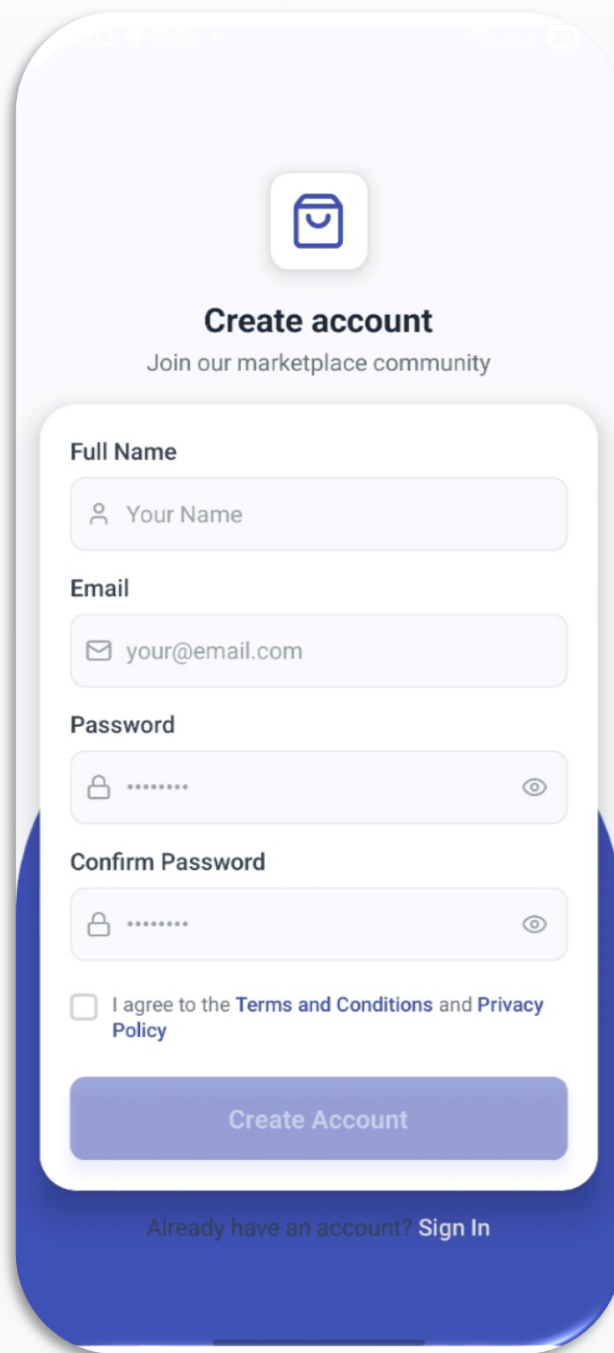


Figure 1.2: Account creation with student email verification



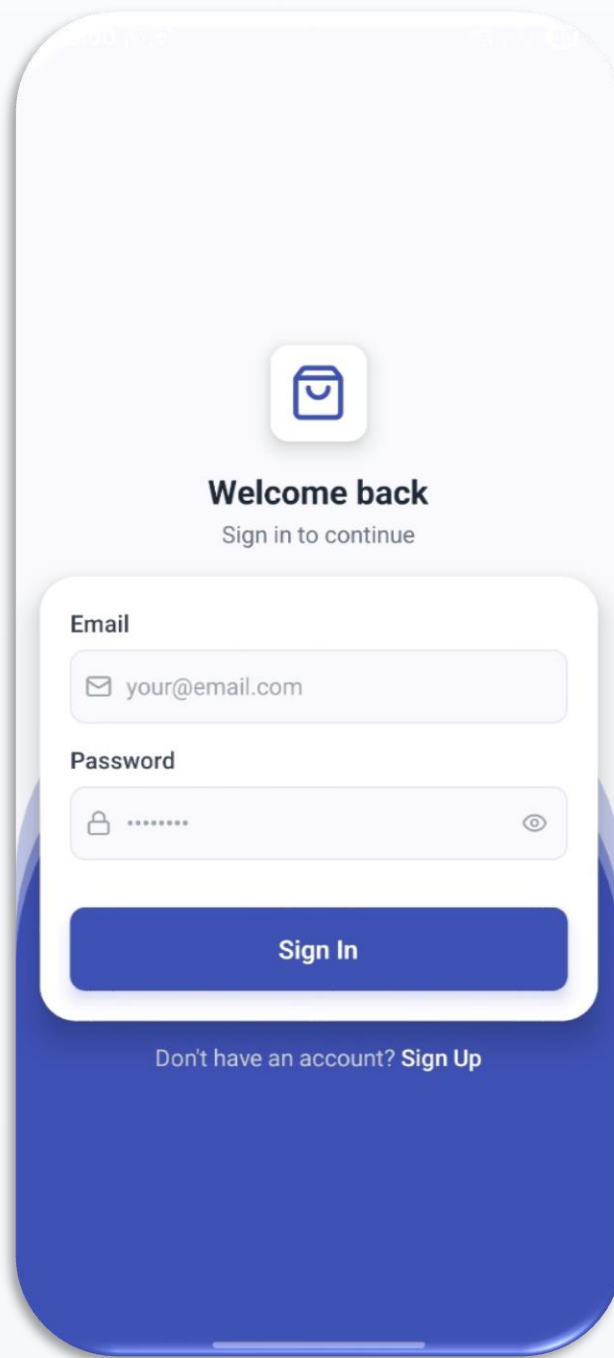


Figure 1.3: Clean sign-in interface for returning users



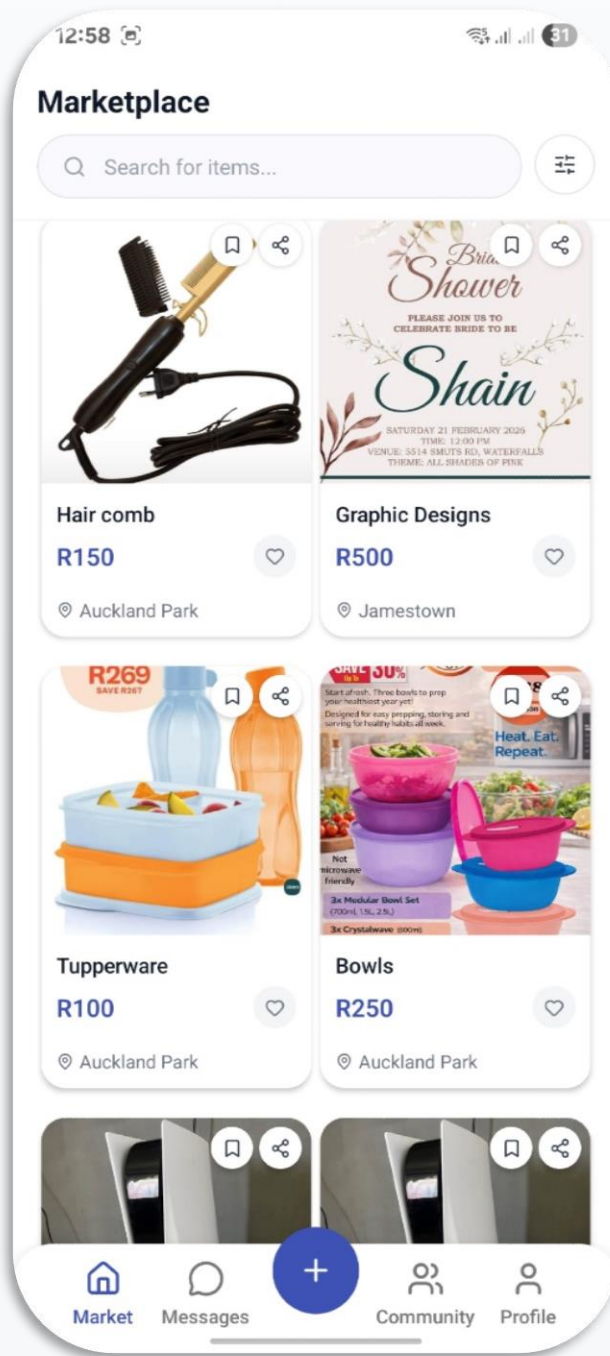


Figure 1.4: Marketplace showing various student products and services



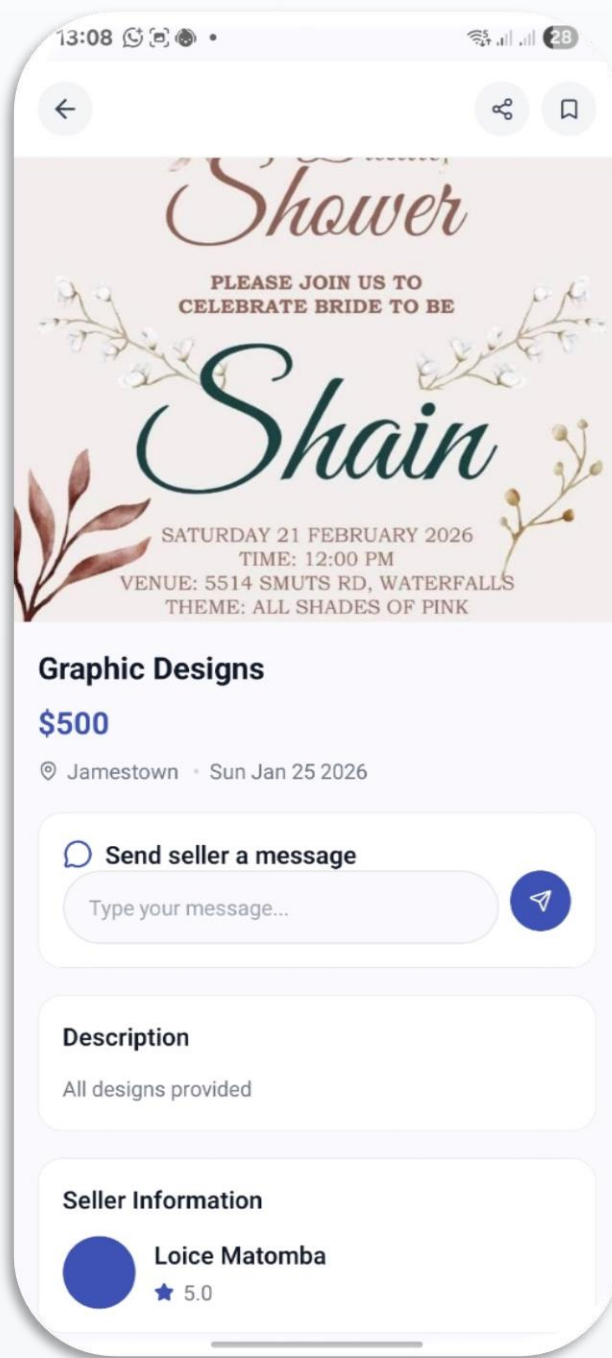


Figure 1.5: Detailed product view with seller information



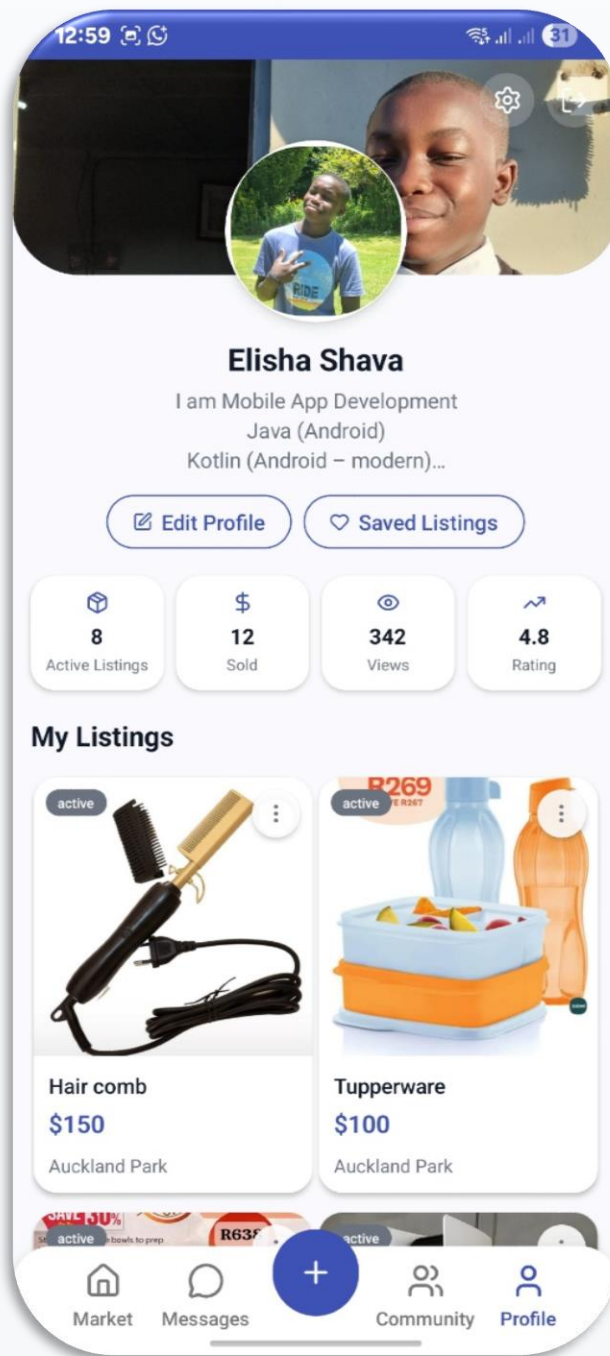


Figure 1.6: profile screen that incorporates all users' listings and user metrics.

Design Notes

PlugU features a modern, clean design with a purple color scheme (#6B5B95) that conveys creativity and trust. The interface uses rounded corners, soft shadows, and ample white space to create a friendly and approachable user experience. The navigation is intuitive with clear icons and labels, making it easy for students to quickly find what they need.



2. FarmConnect

Empowering farmers across North Africa with smart agricultural management tools.

Project Overview

FarmConnect is a comprehensive agricultural platform designed to connect farmers across North Africa, helping them manage crops, track weather conditions, and make informed farming decisions. The platform combines modern technology with agricultural expertise to provide farmers with the tools they need to optimize their operations and increase productivity.

The app features an AI-powered crop assistant that can analyze images of crops and provide recommendations, a marketplace for selling produce and buying supplies, live market price tracking, and a farming community for knowledge sharing and support.

Key Features

- **7-Day Weather Forecasting:** Accurate weather predictions with farming advice based on conditions
- **Crop Library:** Comprehensive database of crops with growth conditions, risks, and timelines
- **Crop Tracking:** Monitor crop progress with activity logs and health assessments
- **AI Crop Assistant:** Chat and image analysis for crop disease identification and solutions
- **Marketplace:** Buy and sell crops, seeds, equipment, and farming supplies
- **Live Price Tracking:** Real-time market prices for informed selling decisions
- **Farming Community:** Connect with fellow farmers, share experiences, and get advice

User Flow

FarmConnect begins with an onboarding experience that highlights the platform's key features: tracking crops, weather forecasting, and marketplace access. Users create an



account and are greeted with a personalized dashboard showing current weather conditions, today's activities, and crop health overview.

The main dashboard provides quick access to essential information including temperature, humidity, wind speed, and UV index. Farmers can view their scheduled activities and receive alerts about tasks that need attention. The crop health overview shows the status of all tracked crops with visual indicators.

Navigation through the app is facilitated by a bottom bar with access to Dashboard, Crops, Weather, Market, and Community sections. The marketplace allows farmers to list their produce with detailed descriptions, prices, and availability. The AI assistant can be accessed to analyze crop images and receive recommendations for pest control and disease management.



Screenshots

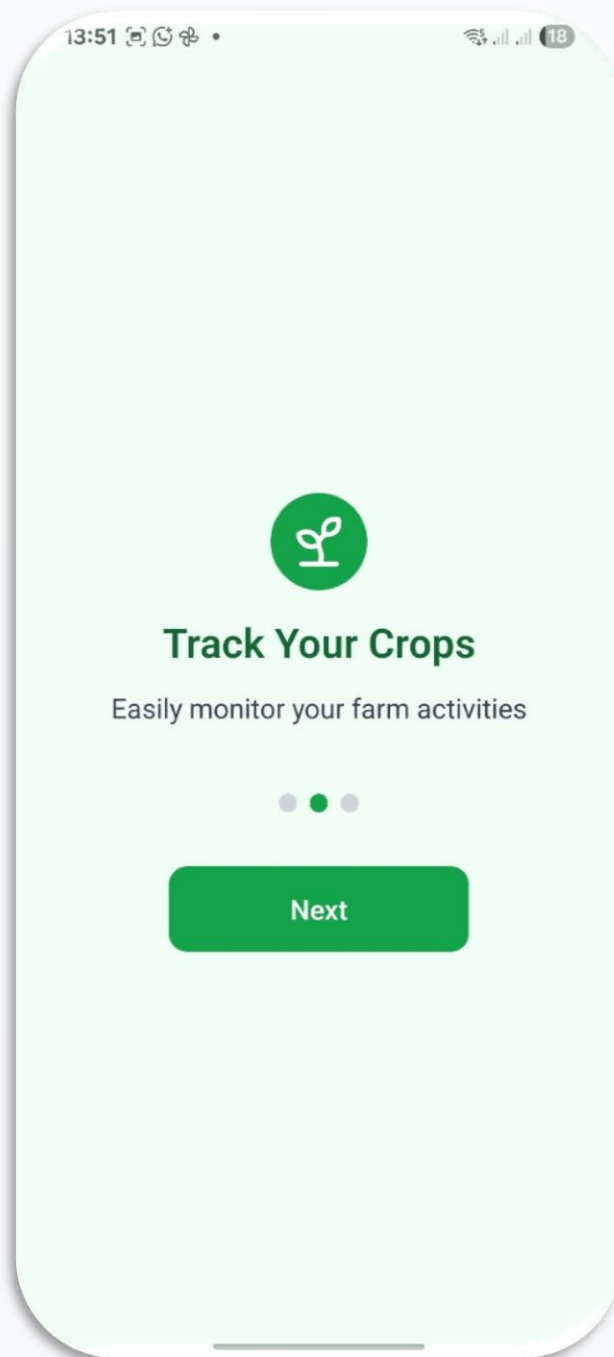


Figure 2.1: Onboarding screen highlighting crop tracking feature



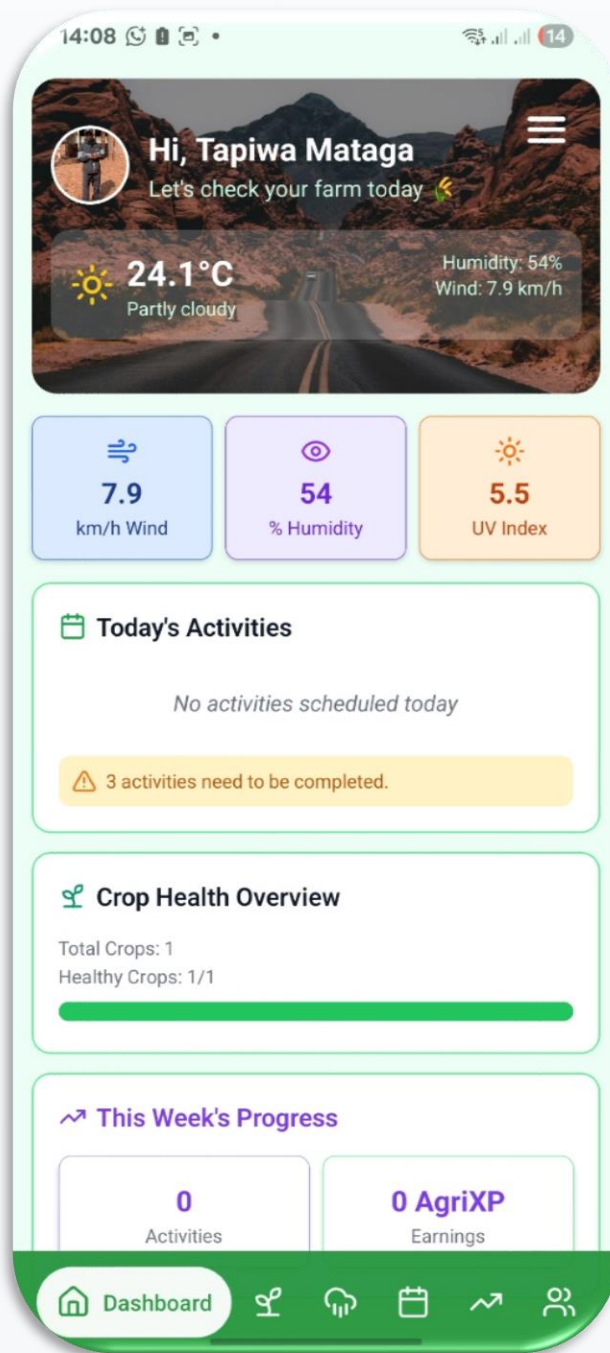


Figure 2.2: Personalized dashboard with weather, activities, and crop health



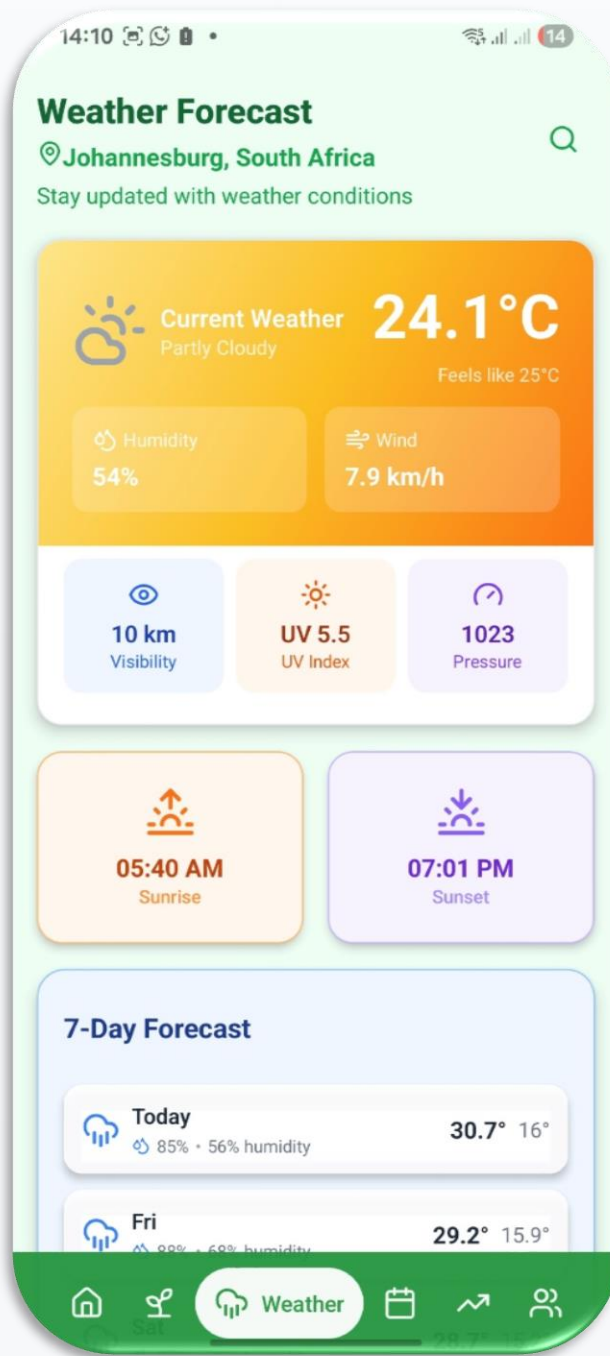


Figure 2.3: Detailed 7-day weather forecast with farming insights based on the weather forecast



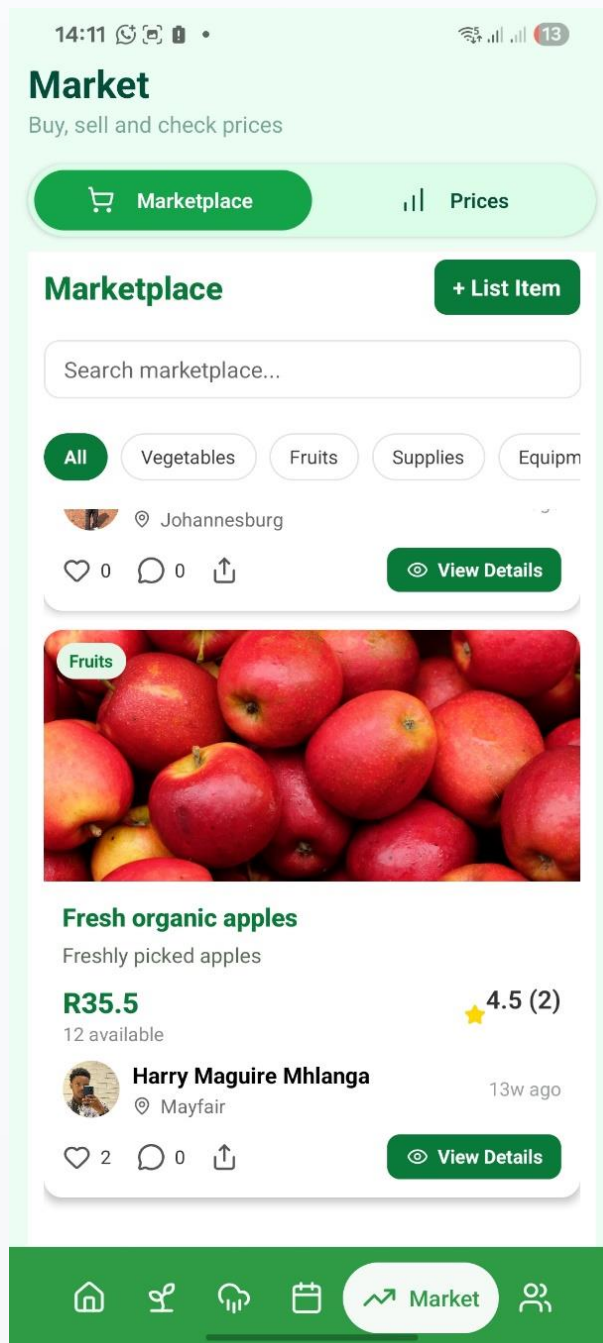


Figure 2.4: Marketplace for buying and selling agricultural products



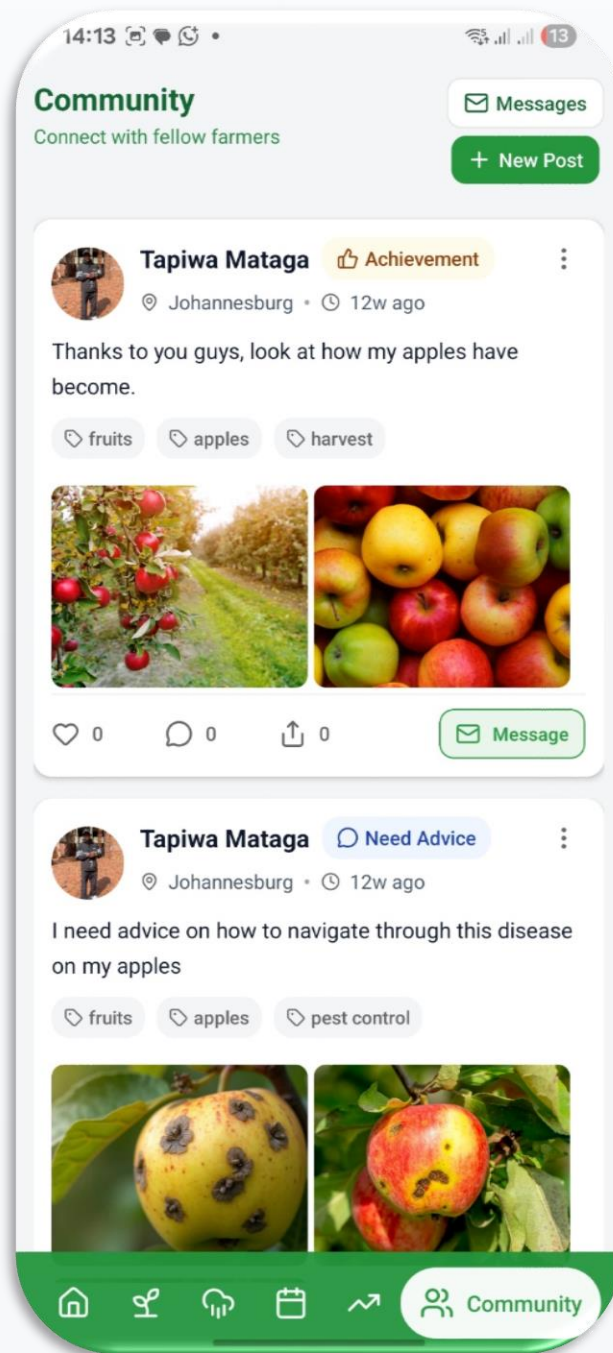


Figure 2.5: Community feed for farmer interactions and knowledge sharing



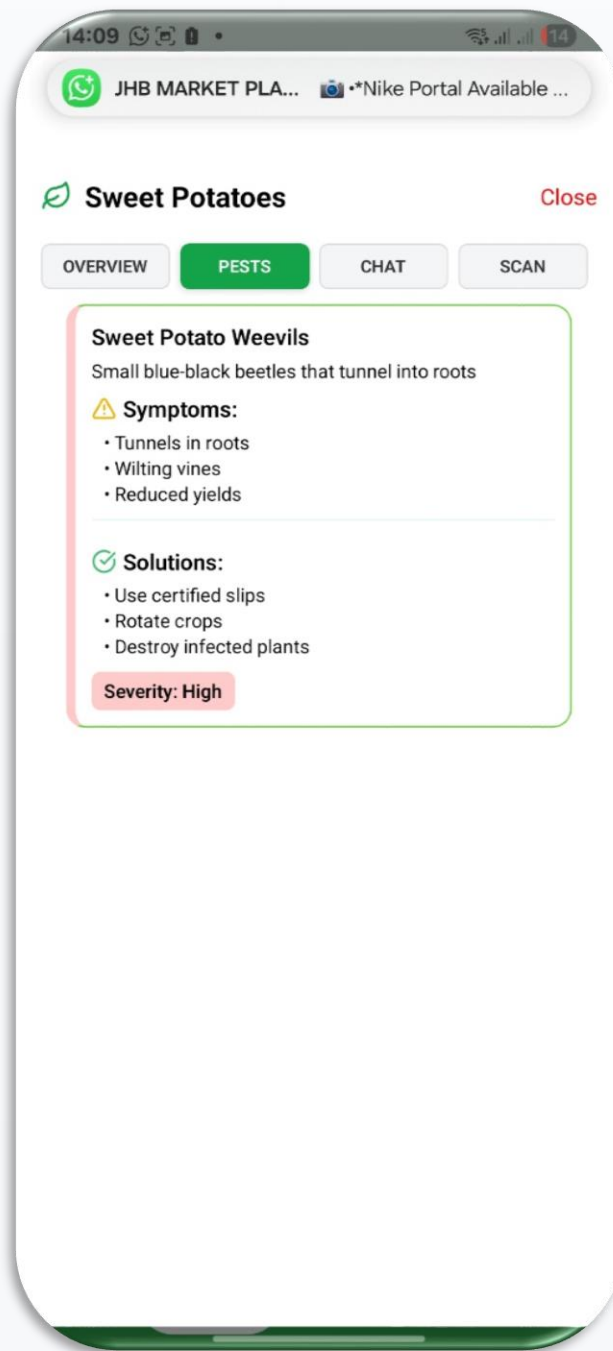


Figure 2.6: Detailed crop information with pest and disease management

Design Notes

FarmConnect uses a fresh green color palette (#27AE60) that reflects its agricultural focus and conveys growth, nature, and sustainability. The design incorporates card-based layouts with subtle shadows, clear typography, and intuitive iconography. Weather information is



displayed with color-coded indicators, and the marketplace uses a clean grid layout for easy browsing.



3. Jollof Junxion

Authentic African cuisine delivered to your doorstep.

Project Overview

Jollof Junxion is a food ordering website specializing in authentic African cuisine. The platform offers customers a seamless way to explore traditional dishes, place orders for delivery, and enjoy the rich flavors of African cooking from the comfort of their homes.

Key Features

- **Menu Browsing:** Explore a diverse selection of African dishes with detailed descriptions
- **Online Ordering:** Easy-to-use ordering system with customization options
- **Delivery Integration:** Seamless delivery functionality with order tracking
- **WhatsApp Direct Orders:** Alternative ordering method through WhatsApp integration
- **Responsive Design:** Optimized for both desktop and mobile devices

Technologies Used

The website is built with modern web technologies ensuring fast load times, smooth user experience, and reliable order processing. The design emphasizes appetizing food photography and easy navigation to enhance the customer experience.

Live URL: [Jollof Junxion](#)



4. BlueWave Pools

Professional pool construction and pavement solutions.

Project Overview

BlueWave Pools and Construction is a company website showcasing professional pool construction and pavement services. The website serves as a digital portfolio for the company's work, providing potential clients with information about services, past projects, and contact details.

Key Features

- **Service Showcase:** Detailed presentation of pool and pavement services
- **Project Gallery:** Visual portfolio of completed construction projects
- **Company Information:** About section highlighting expertise and experience
- **Contact Integration:** Easy contact methods for inquiries and quotes
- **Professional Design:** Clean, corporate aesthetic reflecting construction quality

Design Approach

The website features a professional blue color scheme that evokes water and trust. The layout emphasizes visual impact with large project images, clear service descriptions, and prominent call-to-action elements for customer engagement.

Live URL: [BlueWave](#)



5. Assessor

AI-powered exam question generation for educators.

Project Overview

Assessor is a Software-as-a-Service (SaaS) platform designed to revolutionize the way educators create examination materials. By leveraging artificial intelligence, Assessor can generate customized question papers based on provided knowledge materials and past examination papers, significantly reducing the time and effort required for test creation.

The platform is specifically designed for tutors and teachers who need to create assessments regularly. It analyzes the input materials to understand the subject matter, difficulty levels, and question patterns, then generates relevant questions that align with the curriculum and learning objectives.

Key Features

- **AI Question Generation:** Automatically creates questions from provided knowledge materials
- **Past Paper Analysis:** Learns from previous exams to maintain consistency
- **Customizable Difficulty:** Adjust question complexity to match student levels
- **Multiple Question Types:** Supports various formats including MCQ, short answer, and essay
- **Export Options:** Download generated papers in multiple formats
- **Subject Coverage:** Adaptable to various academic disciplines

User Flow

Educators begin by uploading their knowledge materials, which can include textbooks, lecture notes, and previous exam papers. The AI system processes these materials to understand the subject matter and question patterns. Users then specify their requirements including subject, topic coverage, difficulty level, and question types.



Assessor generates a complete question paper that can be reviewed, edited, and exported. The platform ensures that generated questions are relevant, appropriately challenging, and aligned with educational standards.

Value Proposition

Assessor saves educators hours of manual work by automating the question creation process while maintaining quality and academic integrity. The AI ensures comprehensive topic coverage and appropriate difficulty distribution, allowing teachers to focus on instruction rather than administrative tasks.

Live URL:<https://assessr.com/>

Video Demo:https://drive.google.com/file/d/1yB4f9JfS3hfk7t7CczNnP2juqR_LRuLU/view



Developer Skills & Contact

Technical Skills Summary

Frontend Development

- **React / React Native:** Building responsive web and mobile applications
- **HTML5 / CSS3 / JavaScript:** Modern web standards and ES6+ features
- **UI/UX Design:** Creating intuitive and visually appealing interfaces

Backend Development

- **Node.js:** Server-side JavaScript runtime
- **Database Management:** SQL and NoSQL database design and optimization
- **API Development:** RESTful API design and implementation
- **Supabase:** PostgreSQL database

Mobile Development

- **React Native:** Cross-platform mobile app development
- **Mobile UI/UX:** Native-like experiences on iOS and Android

Tools & Technologies

- **Version Control:** Git and GitHub workflow management
- **Cloud Services:** Deployment and hosting solutions
- **AI Integration:** Implementing machine learning features in applications

Technologies Used Across Projects

Category	Technologies
Languages	JavaScript, TypeScript, HTML, CSS, SQL



Category	Technologies
Frameworks	React, React Native, Node.js, Express
Databases	MongoDB, PostgreSQL, Firebase, Supabase
Tools	Git, VS Code, Figma, Postman
Cloud	AWS, Netlify, Vercel, Heroku
AI/ML	OpenAI API, TensorFlow.js

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Portfolio Website: Admoon Technologies

Thank you for reviewing our portfolio. I look forward to discussing how our skills and experience can contribute to your next project.





Let's Build Something
Amazing Together

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