

The FarmHub

Team members

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Abstract

Farm Hub is an app that is designed to connect local farmers and consumers by being transparent. It is a community-centric platform that allows various farmers and consumers to connect easily. It provides interactive space to share tips, recipes, post their experience etc. The app simplifies buying and selling, with features that allow farmers to list produce and manage inventory while enabling consumers to browse and purchase fresh goods with real-time status updates for orders. And also consists of a chatbot for quick assistance and recommendations.

Introduction

FarmHub, the ultimate platform connecting local farmers and consumers in a seamless, transparent, and engaging way. FarmHub is more than just a marketplace—it's a community where farmers can share their stories, showcase their fresh produce, and sell directly to consumers, while customers gain access to high-quality, farm-fresh products with complete trust and transparency. FarmHub is your go-to destination for building meaningful connections and supporting local agriculture by bringing farms closer to your table.

Objectives

- Direct Connection
- Community Engagement
- Simplified Buying and Selling
- Strengthen Digital Adoption
- Promote Sustainable Agriculture
- Enhance Market Accessibility

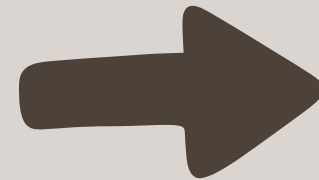
Literature Survey

S.NO	Title of Study	Authors	Year	Key Findings	Challenges Identified
1.	Role of Agri-Tech Startups in Farm-to-Consumer Delivery	Kumar & Sharma	2021	Startups like NinjaCart and Otipy optimize supply chains for perishable goods.	High initial investment, need for farmer training.
2.	Digital Platforms for Direct Farmer-to-Consumer Sales	Smith et al.	2020	Digital apps reduce supply chain costs and improve farmer incomes.	Logistical challenges, lack of digital literacy.
3.	Consumer Preferences for Farm-to-Table Apps	Mehta & Roy	2019	Consumers prefer organic, fresh produce and are willing to pay a premium.	Need for trust-building mechanisms.

Methodology

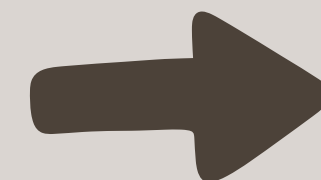
Problem Identification

Understand the needs of farmers and consumers to create a solution.



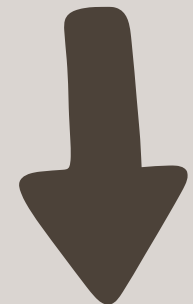
Conceptualization and Design

Create a user-friendly design and plan the app structure.



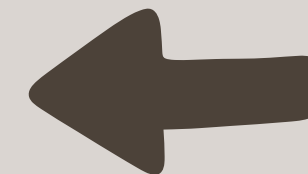
Development

Build a scalable and secure application using modern technologies.



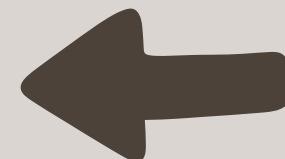
Testing

Ensure the app functions seamlessly and is free of bugs.



Launch

Deploy the app to the public.



Community Building and Growth

Continuously improve and update the platform by create a thriving community.

Expected Output

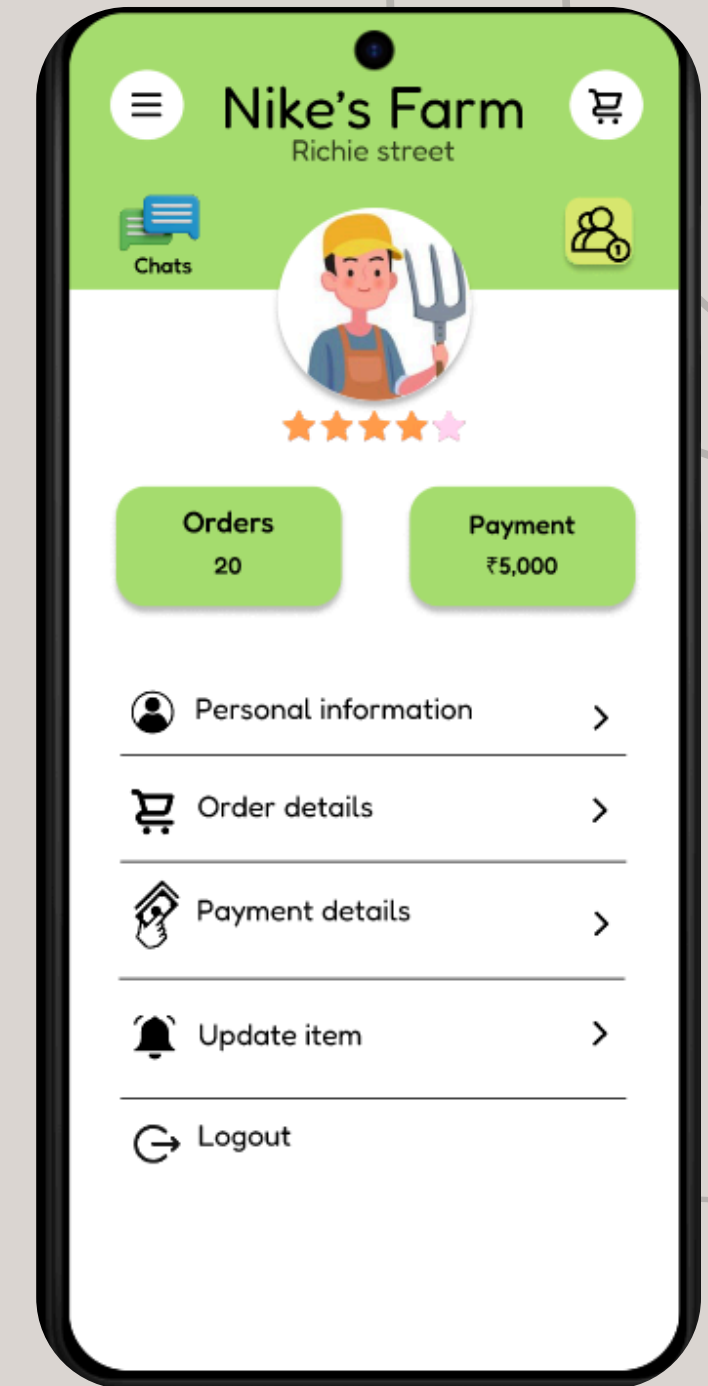


review system

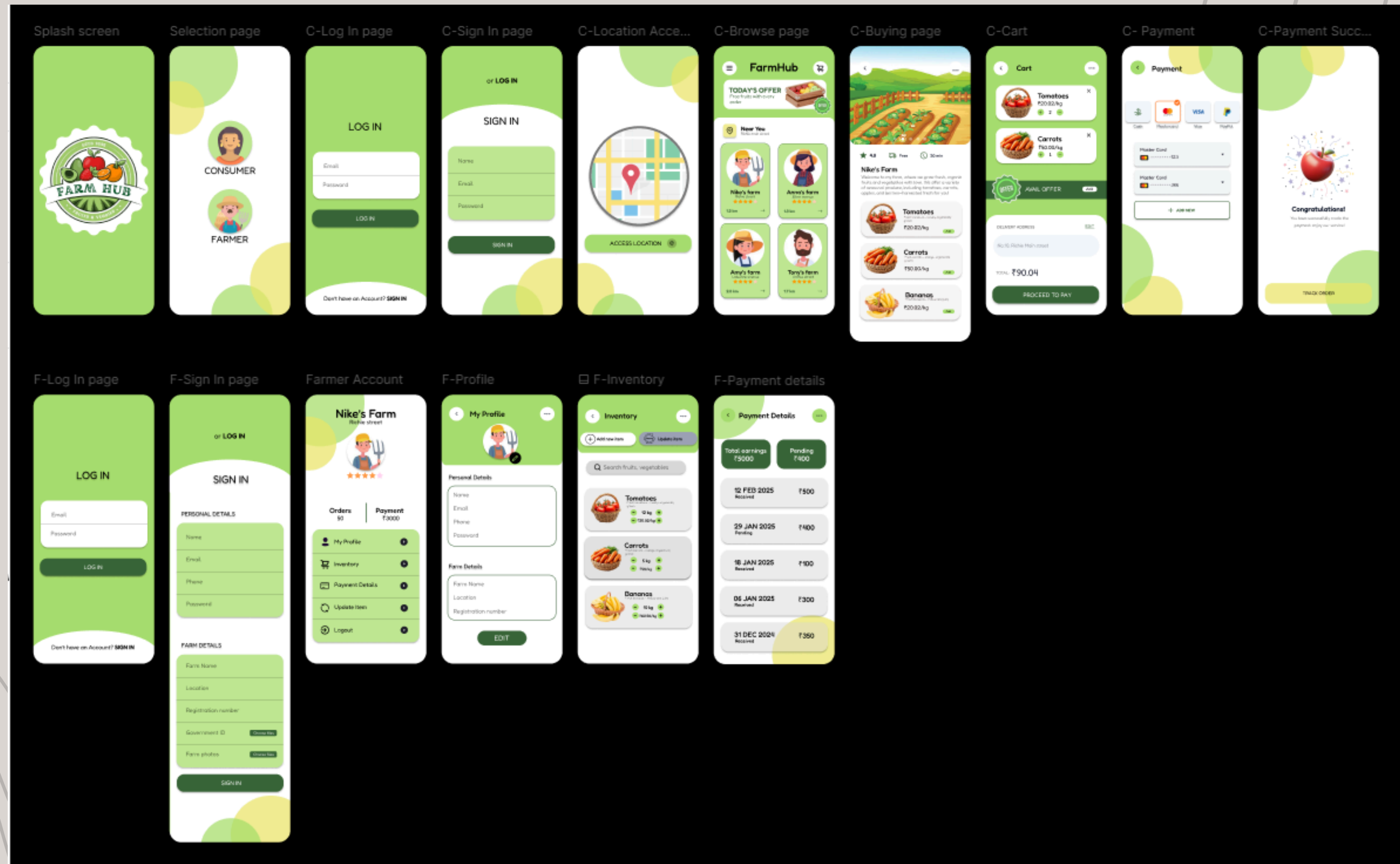
Chat bot

Community tab

user friendly



UI/UX-Figma



BackEnd – Firebase

farm-hub ▾

Authentication

Users

Sign-in method

Templates

Usage

Settings

Extensions

The following Authentication features will stop working when Firebase Dynamic Links shuts down on August 25, 2025: email link authentication for mobile apps, as well as Cordova OAuth support for web apps.

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Search by email address, phone number, or user UID

Add user

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Identifier	Providers	Created ▾	Signed In	User UID
tamil@gmail.com	✉	Mar 26, 2025	Mar 26, 2025	xyGb0UWcPnToERJ4i48QpYS...
sneka@gmail.com	✉	Mar 26, 2025	Mar 26, 2025	EoXvwkT6jTXLaRPukJNCclml...

Rows per page:

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Reference

1. Firebase Get started with Firebase Authentication on Flutter. Retrieved from <https://firebase.google.com/docs/auth/flutter/start>
2. Dart language guides. Retrieved from <https://dart.dev/guides>
3. Cloudinary Flutter image upload documentation. From https://cloudinary.com/documentation/flutter_image_upload
4. Geolocator. (n.d.). Geolocator package. Retrieved from <https://pub.dev/packages/geolocator>
5. Easy Tutorials. (March 5, 2023). Firebase Auth + Firestore in Flutter – Complete App Tutorial. YouTube <https://www.youtube.com/watch?v=0RWLaJxW7Oc>
6. Flutter E-commerce App With Backend (Jan 28, 2022). YouTube <https://youtu.be/7dAt-JMSCVQ?si=aGrKWZr-sSikqpbI>



**Thank
You!!**