

# Save Farmers

Evaluation Report of Sprint 3  
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## Problem and Solution Overview

- Farmers struggle to sell crops due to limited market access.
  - They often sell cheaply to middlemen, reducing profits.
- Our app connects farmers directly with buyers for fairer prices.
  - This improves accessibility, visibility, and transparency in produce sales.

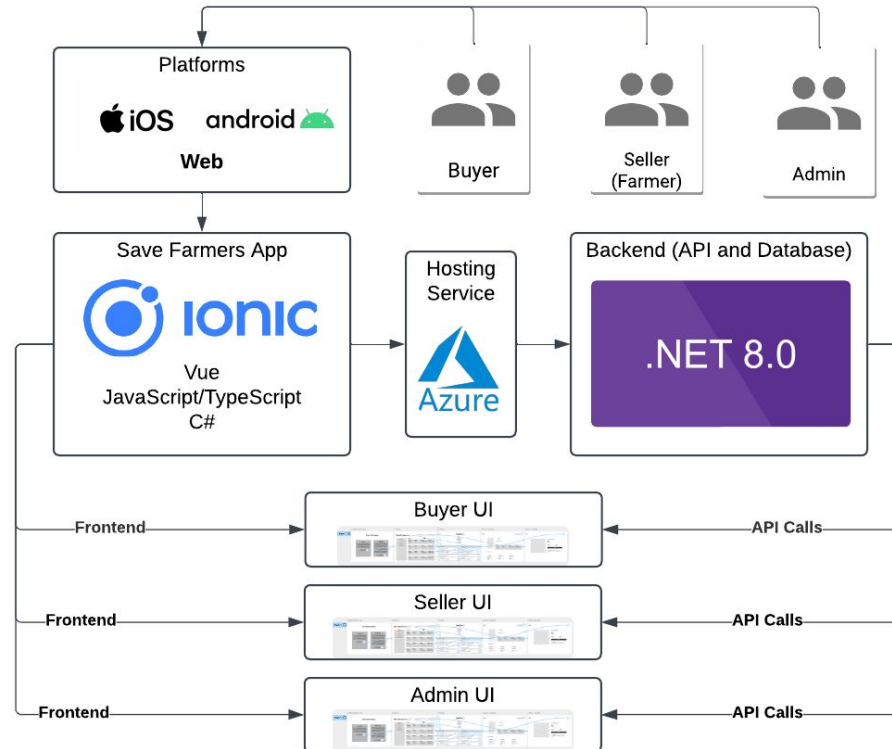


# Functional Requirements

- [FR-1(U6)] User Login 
  - Users should be able to create an account and log in.
  - Level 0 (Essential)
- [FR-2(U1)] Sellers Posts 
  - Sellers should be able to make posts of the products they are selling.
  - Level 0 (Essential)
- [FR-3(U4,5)] Seeing Posts 
  - Any user should be able to see the posts that are made by the sellers.
  - Level 0 (Essential)
- [FR-7(U7,6,5,4,2)] Admin Account 
  - This account will be able to view analytics on the app.
  - Level 1 (High Priority)
- [FR-4(U2,6)] Profile Page 
  - All users have a profile page that has a history of posts.
  - Level 1 (High Priority)
- [FR-5(U3)] Sellers Editing Posts 
  - Sellers should be able to edit their existing posts.
  - Level 1 (High Priority)
- [FR-6(U4,5)] Search Filters 
  - All users should be able to make search filters to find what they are looking for easier and faster.
  - Level 2 (Medium Priority)
- [FR-8(U8)] Analytics 
  - Admins and sellers will have information displayed to them about their products.
  - Level 1 (High Priority)
- [FR-9(U9)] User Rating System 
  - Users should be able to rate their experience with sellers/buyers.
  - Level 2 (Medium Priority)



# System Architecture





## Sprint Goals

- Finish connections to the API (admin/analytics)
- Finish front-end for mobile and web views
- Create analytics for the users and admin
- Deploy API to Azure and ensure app works on mobile device.



# Progress Overview:

Achievements:

- **Frontend:**
  - Admin permissions (Nick)
  - Admin view of registered user info (Nick)
  - Admin delete user (Nick)
  - Search by post name, price, contact, location, description (Nick)
  - Admin and Farmer analytics (Dillon)
  - Post Delete (Dillon)
  - User page permission (Eric and Dillon)
  - Post Edit (Eric)
  - Frontend deployment (Eric and Nick)
- **Backend:**
  - Deploying API to Azure (Dillon)



## Demo

[Web](#)

Android

iOS

[Video](#)



<https://blue-beach-0555dc31e.6.azurestaticapps.net>



## Challenges/Issues

- Azure Deployment
  - Time Zones and End user validation
- Platform Specific Errors
  - Error fixing time is consuming





# Lessons Learned & Future Work

- Full Stack Development is Hard
  - Scale, Platforms, and Errors.
- Team work
  - Communication and Organization
- Future Work:
  - If we had more time we would of added a messaging system, transaction system, and email and phone validation.



# Questions