

# **Restaurant Inventory System**

**By: Landen Tomlin**

## Individual Project Metrics

- Total individual Lines of Code (LoC): **1,039**
- Number of individual features completed: **6/6**
- Number of individual requirements completed: **11/11**
- Individual burndown rate (%): **100%**

## What Went Wrong (Individual Level)

- I struggled with dart/flutter syntax at some points, but made an effort to learn more about it.
- Documentation for PocketBase confused me and made it difficult to implement without help from AI.
- Not all goals for sprint 1 were met by the deadline
- Some of the features I had planned did not fit within the scope of the project.

## What Went Well (Individual Level):

- CRUD operations are working really well and pocketbase is much easier to work with now.
- The UI is intuitive and does the job effectively.
- Core functions are working perfectly. There is room to grow
- Working with AI has helped me focus more on what I wanted the project to look like and do.
- The UI works great on mobile and web.

## **Analysis & Improvement Plan (Individual Level):**

- I plan to work more diligently with this assignment and will have the project as my main focus
- Read more about integrating pocketbase and creating better user experience.
- Create more specific goals to obtain to track progress easier.
- Create more tests to ensure my app works in all cases.
- Work with Cursor's plan mode to build off of the app I have to keep focus on better features.

# Sprint 1 Summary

- Week 1: Created working prototype with navigation and structure of app
- Week 2: Created buttons for CRUD functions, but no logic behind them
- Week 3: Created sign in and sign up pages with no logic
- Week 4: Implemented PocketBase to store and show inventory. CRUD functions have logic implemented.

# Sprint 2 Goals

## **Individual Sprint 2 Goals:**

- Add Low Inventory Alerts
- Allow users to search and sort stock items.
- Update UI to be more engaging
- Create links to the restaurant website to update POS system.

## **Individual Sprint 2 Metrics:**

- Number of individual features planned: 4
- Number of individual requirements planned: 6

## **Updated Individual Timeline and Milestones:**

- Week 1: Add search and sort functions for stock
- Week 2: Add low inventory alerts for easier restocking
- Week 3: Improve UI for easier UX/complete multiple tests of the program/Add links to restaurant website
- Week 4: Have the app finished to host at home for use at the restaurant.

## **Key Individual Dates:**

- Individual presentation: 11/12/25
- Individual milestones: By Week 3 - App should be fully functional and all features implemented.