Restaurant Inventory System

By: Landen Tomlin

Individual Project Metrics

- Total individual Lines of Code (LoC): **1,039**
- Number of individual features completed: **5/6**
- Number of individual requirements completed: **10/11**
- Individual burndown rate (%): **90%**

What Went Wrong (Individual Level)

- I didn't use AI effectively which created design issues and code smell.

- 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.

- Working with AI has helped me focus more on what I wanted the project to look like and do.

- I have made the project more consise and refactored code that AI had provided to fit my design.

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.