

KitchenSync

A Pantry and Recipe Companion



Milestone 4

Milestone 4 Objectives

Inventory Management System ~ 95%

Recipe Organizing System ~ 90%

Basic GUI ~ 90%

Community Page ~ 30%

Shopping Companion ~ 40%

Admin Backend ~ 10%

Inventory System

Key Highlights

1. Near full completion with the last component to be added it auto tracking
2. Ready for user testing

Receipt Update:

- PyTorch Learning model to better get product name on receipts without upc codes
- Pre Trained models



Recipe Organizing System

Key Highlights

1. Near Completion with two components left:
 - Recipe Notes - notes from the chef about what went well or their thoughts
 - Linking Images to the current step
 - i. Current image is final product



Basic GUI

Key Highlights

1. UI/UX Theme has been ironed out
 - a. About 30% applied to all screens
 - b. Only Minor Changes and updates are needed.



Community Page

Key Highlights

1. Page populates from the database
2. User Accounts have view only access
3. Images correctly stored in S3 bucket but not connected to the cards
4. Reviews + Feedback system setup but not linked

Complications

- Each time a change is made to this file it requires a project clean install in maven, not currently sure why



Shopping Companion

1. The shopping companion is able to grab data related to the products name, price, and price per unit of weight. It is able to take a search query and search through the page to find product information. In addition the companion can get the average price per ounce of a product, because the price on the website and prices at actual retailers can vary drastically.

Admin Backend

Key Highlights

- Recipes and inventory that user inputs is saved onto local storage using Json Files
- Queries into the user accounts through AWS is possible primarily looking at their names and if the account information is valid

Progress Matrix of Milestone 4

Task	% Done	Tyler Son	Chris Nederhoed	David Tran	To do
Inventory Management System	95%		100%		Auto Tracking (add checkbox to items to track) + (Button to adjust auto tracking such as what items are tracked + min item count before notification)
Recipe Organizing System	90%		100%		Recipe Notes (Where the * will we put this), Recipe Cooking Images (how do we link the step with the image / video)
GUI	70%		100%		Community Reviews/feedback, Community Add Recipe, Search Bar, Connect Modules to User Dashboard, Filter popups, Random UI/UX components

Progress Matrix of Milestone 4

User Accounts	30%			100%	Account creation
Meal Planner	70%		100%		Recipe Sharing to Other users/non-users, Recipe Ingredients added to needed ingredient list, Recipe ingredients removed from list if updated, Recipe ingredients removed from inventory if made, Nutrition Calculator, Daily Meal Summary
Community Recipes	20%	30%	70%		Recipe Reviews/Feedback, Populate the Starting Recipe DB, Populate the UI with Recipe Cards, Allow user to Post Recipes, Allow Users to Save Recipes, Allow Users to Remove their Recipes, Allow Users to edit/update their Recipes

Progress Matrix of Milestone 4

Review/Feedback system	95%	100%			Allow users to provide a review. Allow users to report a recipe. Allow a user to provide a feedback score
Shopping Companion	40%			100%	List Sharing, Item pricing, Price data from retailers, Price data from club stores, Price per unit comparison, Meal cost Estimate
Admin Backend	10%			100%	User and Admin accounts, Admin Portal, Admin lists of current users, names, feedback, recipes. Admin filters, Admin sorting, Admin ticketing system, Admin controls, Activity Logs, Reporting System

Milestone 5

Task	Tyler Son	David Tran	Chris Nederhoed
Meal Planner			Recipe Sharing to Other users/non-users, Recipe Ingredients added to needed ingredient list, Recipe ingredients removed from list if updated, Recipe ingredients removed from inventory if made, Nutrition Calculator, Daily Meal Summary
Recipe Ingredient Suggestions and Substitutions			Flavor & Texture Matrix, Ingredient data, substitution logic, add-on suggestions, user settings
Notification System		Create a notification system so that users will be pinged if their content is removed.	
Admin Portal		Allow admins to access user created data, check if it violates TOS	

Admin Backend	Link accounts to database, provide users keys, ensure overall security for all users		
Shopping Companion		Have the tool be able to grab more urls from other retailers to pull up prices, integrate it with the existing applications,	
New User Guide // Tutorial Onboarding			System walkthrough, Progress Indicators, FAQ, Examples
Conduct Evaluation of the System	Ensure all components are functional, ensure all components are secure		
Senior Design Showcase Poster	Develop a poster displaying the work done, shows how the work was done		