

1. KitchenSync: A Pantry and Recipe Companion
2. Team Members
 - a. David Tran
 - i. dtran2021@my.fit.edu
 - b. Chris Nederhoed
 - i. cnederhoed2020@my.fit.edu
 - c. Tyler Son
 - i. tson2022@my.fit.edu
3. Advisor - Fitzroy Nembhard
 - a. fnembhard@fit.edu
4. Client - Fitzroy Nembhard
 - a. Affiliation - College professor in the Department of computer science
5. Progress of current milestone

| Task | % Done | Tyler Son | Chris Nederhoed | David Tran | To do |
|---|--------|-----------|-----------------|------------|--|
| Meal Planner | 80% | | 100% | | Meal Plan Sharing Recipe ingredients removed from inventory if made, Nutrition Calculator, Daily Meal Summary |
| Recipe Ingredient Suggestions and Substitutions | 25% | | 100% | | Flavor & Texture Matrix, Ingredient data, substitution logic, add-on suggestions, user settings |
| Notification System | 10% | | | 100% | Create a notification system so that users will be pinged if their content is removed. |

| | | | | | |
|---------------------------------------|-----|------|------|------|---|
| Admin Backend + Admin Portal | 25% | 50% | | 50% | Allow admins to access user created data, check if it violates TOS, Admin Portal, names, feedback, recipes. Admin filters, Admin sorting, Admin ticketing system, Admin controls, Activity Logs, Reporting System |
| Shopping Companion | 60% | | | 100% | List Sharing, Item pricing, Price data from retailers, Price data from club stores, Price per unit comparison, Meal cost Estimate, 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 | 15% | | 100% | | System walkthrough, Progress Indicators, FAQ, Examples |
| Conduct Evaluation of the System | 50% | 100% | | | Ensure all components are functional, ensure all components are secure |
| Senior Design Showcase Poster | 90% | 100% | | | Shows how the work was done |

| | | | | | |
|--------------------------|-----|------|------|--|---|
| Recipe Organizing System | 95% | | 100% | | Recipe Notes, Recipe Cooking Images |
| GUI | 95% | | 100% | | Connect Modules to User Dashboard, Filter popups, Stylize Popups + minor UI Lists or grids |
| Community Recipes | 80% | | 100% | | Recipe Reviews/Feedback, Populate the Starting Recipe DB, Allow Users to Remove their Recipes, Allow Users to edit/update their Recipes |
| Review/Feedback system | 30% | 100% | | | Allow users to provide a review. Allow users to report a recipe. Allow a user to provide a feedback score |

6. Discussion (at least a few sentences, ie a paragraph) of each accomplished task (and obstacles) for the current Milestone:
 - a. Meal Planner: Adding recipes to the meal planner takes the ingredients from the selected recipe and then compares it to the user inventory to create a list of needed ingredients. Users can also create a shopping list based on this needed ingredient list that uses the shopping companion to find what stores have what based on user preferences.
 - b. Recipe Ingredient Suggestions and Substitutions: Currently just the suggestion component is working and it looks at a recipes ingredient list and then based on certain items it looks for complementary flavors and then selects a random ingredient from that complementary flavor list as something a user can add to a recipe. Recipes do need to be marked to allow for suggestions and this is based on the recipe creator settings. As for the substitutions this component is still a work in progress and we are exploring common substitutions to create an index of these and then this will always be active for recipes.
 - c. Notification System: The AWS server for the user data is set up, currently we are working on connecting the server and the frontend so that any changes in the user data (such as deletion of user content by admins) will send notifications to the user.
 - d. Admin Backend + Admin Portal: The code for adding accounts for users has been created. The only additions that need to be made in relation to new users having an account is for the loginpage to update so that when a user logs in that they immediately have their keys, so that they may add their own recipes.
 - e. Shopping Companion: The shopping companion is able to grab the estimated average price of ingredients per oz for products. It is able to grab information from Walmart, but there are plans to expand it to include other grocery websites. In addition the tool will be incorporated into the My List page so that the user can get an estimated price of how much their shopping list will cost.

- f. New User Guide // Tutorial Onboarding: On paper this is finished however we need to implement this for when a new account is created and then allow a user to skip steps, skip all the tooltips, and then create a new page for FAQ and other useful information in the application.
- g. Conduct Evaluation of the System: The majority of the changes made to the project as of this milestone have functioned correctly. Everything else done leading up to this milestone has been functioning correctly.
- h. Senior Design Showcase Poster: The showcase poster was created online, utilizing the template provided. Images of the front end were placed on the poster, showcasing what was created.
- i. Recipe Organizing System: Chef's notes are the only new addition to this module this time around and if we have time then we will also add the ability for each step to have a separate image based on what the step should look like as a user cooks the recipe.
- j. GUI: The new Theme is mostly implemented on all screens and there are only minor changes that need to be made to better the UI/UX. Our goal is to have a css stylesheet made to allow for much easier changing of the theme between light and dark modes as currently the only theme is dark mode.
- k. Community Recipes: The DB only has a few recipes but they are able to be pulled and populate the frontend. Users can pull and save a recipe to their local set of recipes and then post a recipe either by manual entry or by selecting a recipe they have on their local set. There is still some validation logic that needs to be added in order to check who posted what and if a recipe was pulled from the community page it doesnt let another user post the same recipe and take credit for it.
- l. Review/Feedback system: The feedback system on the backend of the project is still under development.

7. Discussion (at least a few sentences, ie a paragraph) of the contribution of each team member to the current Milestone:

- a. Tyler Son: I worked on having the database add user accounts. However, I ran into a roadblock where the database needs an account with admin access to add the new accounts and it is still being worked out on how to do this without security risks. In addition, I created the poster for the project with the template provided and filled in all the fields with the relevant information and images of the front end of the project were placed in the poster to showcase what had been accomplished as of this milestone.
- b. David Tran: I worked on setting up the notification system as well as fleshing out the Price Finder tool to be integrated into the My List page for shopping list creation. It is able to return the estimated price of an ingredient for a website based on the quantity of the product the user put for the product as well as the specific unit they wanted.
- c. Chris Nederhoed: I worked on finishing the UI theme and implemented all the missing UI elements. I also finished the inventory and recipe modules then worked on the meal planning module which is very close to completion making it almost ready for testing. I worked to complete most of the community recipe modules with the exception of the DB population and then the user account interface. As for the new things I added to this milestone, most of the initial frameworks for the complementary receipt scanner are built and the ingredient matrix is about half implemented. Lastly the new user guide is ready on paper but the tool tips and other items are not implemented as I am waiting on the user accounts before fully implementing this.

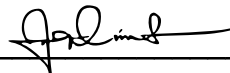
8. Plan for the next Milestone (task matrix)

| Task | Tyler Son | David Tran | Chris Nederhoed |
|---|--|---|--|
| Test/demo of the entire system | Test all components of the system to ensure that they are functioning as intended. Demo the system to ensure that the components are user friendly and work as intended. | | |
| Conduct evaluation and analyze results | Ensure all components are functional given the new changes added throughout this milestone | | |
| Create user/developer manual | | | Create a Style Guide, Provide Setup/Installation Instructions, Develop Usage Guides and Tutorials, Prepare Reference Documentation, Plan Maintenance and Updates |
| Create demo video | | Record and edit a demo video showing the user how to use the application. | |
| Clean Up and General Organizing | | | Comment everything not already commented, Organise the methods that were recently added |
| Recipe Ingredient Suggestions and Substitutions | | | Flavor & Texture Matrix, Ingredient data, substitution logic, add-on suggestions, user settings |

| | | | |
|---------------------------------------|--|--|--|
| New User Guide // Tutorial Onboarding | | | System walkthrough, Progress Indicators, FAQ, Examples |
|---------------------------------------|--|--|--|

9. Discussion (at least a few sentences, ie a paragraph) of each planned task for the next Milestone or "Lessons Learned" if this is for Milestone 6
 - a. Test/demo of the entire system
 - i. Continue off of evaluating the system by testing the components and ensuring that they work as intended. In addition, these components should be demoed as a form of testing from the user perspective to see if the components are user friendly along with being functional.
 - b. Conduct evaluation and analyze results
 - i. The goal for this task is to continue evaluating the system and observing what the results are and whether those results are what are expected. This will also be used to continue evaluating the parts of the system that were not able to be evaluated during the previous milestone.
 - c. Create user/developer manual
 - i. The goal for this task is to create an end user guide and a developer manual. Both of these are to assist in the development of and design of the system. In the developer manual we will include the api documentation and any links to relevant documentation. This manual will also include examples of how to use the system and how to maintain it. The goal is to make sure that regardless of who is working on this project they know how it was made and how to add to it.
 - d. Create demo video
 - i. The goal for this task is to develop a demonstration video to show users how the product is used and how to use it to the fullest extent.
 - e. Clean Up and General Organizing
 - i. Our last several milestones have left large sections of our code base in a bit of a mess and need to be cleaned up. There are also a lot of areas that need to be fully commented and properly documented.
 - f. Recipe Ingredient Suggestions and Substitutions

- i. Continue fleshing out the framework and implementing this into both the MyRecipes page and the Community Page. We have the backend components all set up for this so the next step is to take these and have some sort of indication on the frontend to let the user know what is part of the original recipe and then what is a suggestion.
 - g. New User Guide // Tutorial Onboarding
 - i. Extend the current walkthrough to all the screens and add a FAQ. We also want to have some people test the system so that we can know what users end up needing help with. Overall goal here is to make the system as easy to use and then have any questions be able to be quickly answered or the system explained.
10. Date(s) of meeting(s) with Client during the current milestone: 3/12/2025
11. Client feedback on the current milestone
- a. ... (if Client and Faculty Advisor are the same, write "see Faculty Advisor Feedback below")
 - b. ...
12. Date(s) of meeting(s) with Faculty Advisor during the current milestone: 3/12/25
13. Faculty Advisor feedback on each task for the current Milestone

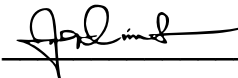
14. Faculty Advisor Signature:  Date: 3/26/2025

----- on a separate page -----

15. Evaluation by Faculty Advisor

- a. Faculty Advisor: detach and return this page to Dr. Chan (HC 209) or email the scores to pkc@cs.fit.edu
- b. Score (0-10) for each member: circle a score (or circle two adjacent scores for .25 or write down a real number between 0 and 10)

| | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|-----|---|-----|---|-----|---|-----|---|-----|----|
| Tyler Son | 0 | 1 | 2 | 3 | 4 | 5 | 5.5 | 6 | 6.5 | 7 | 7.5 | 8 | 8.5 | 9 | 9.5 | 10 |
| David Tran | 0 | 1 | 2 | 3 | 4 | 5 | 5.5 | 6 | 6.5 | 7 | 7.5 | 8 | 8.5 | 9 | 9.5 | 10 |
| Chris Nederhoed | 0 | 1 | 2 | 3 | 4 | 5 | 5.5 | 6 | 6.5 | 7 | 7.5 | 8 | 8.5 | 9 | 9.5 | 10 |

- Faculty Advisor Signature:  Date: 3/26/2025