

MealTime

Team 10 - Sprint 3 Planning Document

Evan Klein, Peter Kfoury, Patrick Sullivan, Sam Richardson, Logan Stout, Nick Franz

Sprint Overview

For the third and final sprint, our entire team has firmly grasped our frameworks and have been making steady progress towards our project's goals. We have spent a lot of time working out logistics and we are now make sure our user stories have clearly defined and testable acceptance criteria. A lot of work needs to happen collaboratively between the frontend and backend, and our team plans to meet more regularly to facilitate interactions. Our application should be fully able to help the user plan meals by the end of this sprint.

SCRUM Master: Peter Kfoury

Meeting Plan: Tuesdays 10:30 AM, Thursdays 10:30AM

Risks and Challenges

Most of our challenges in the last two sprints were related to unfamiliarity with our tech stack and estimating required time per task. This sprint is all about clearly defining specific tasks for each piece of the app, and and interactions they will require between team members. It will be a challenge ensuring that everything is cleanly integrated and helps push the team towards our end goal. Though we have stories prioritized appropriately, it will be challenge for individuals to complete everything they are assigned to. We have done a much better job communicating and meeting, which alleviates some of these challenges. Though we risk not fully achieving every loft goal by the end of the sprint, we will have a working app that meets our acceptance criteria.

User Story 1: *As a user, I want my daily goals and entries to be saved in a database for later.*
(Evan)

1.1	Finish creating backend endpoint to save data	4	Evan
1.2	Make sure that page shows results that were already in the database once the page is loaded	3	Evan
1.3	Add ability for the DB to hold and maintain user goals	2	Sam
1.4	Testing	1	Evan

Acceptance Criteria:

1. Backend accepts data from the frontend with valid data and doesn't send data back if the format of the call is wrong.
2. Upon opening a page for a particular day or meal, it will show pre-existing results, or no results for a day that hasn't been updated by a user yet.
3. The backend doesn't give data if a user isn't logged in.

User Story 2: *As a user, I want a page of favorites that shows my liked restaurants and recipes.*
(Evan)

2.1	Make sure users can add liked restaurants to the favorites page	3	Evan
2.2	Make sure users can add liked recipes to the favorites page	2	Evan
2.3	Testing	1	Evan

Acceptance Criteria:

1. Liking a restaurant from the restaurants/recommended pages shows it in the favorites page.
2. Liking a recipe from the recipes/recommended pages shows it in the favorites page.
3. Obviously, shouldn't work if a user isn't logged in.

User Story 3: *As a user, if I'm away from my computer for a while, I want my login to expire after a certain amount of time.*

3.1	Make the authentication token for each user expire after a time.	3	Patrick
3.2	When the token expires, delete the token off of localStorage.	1	Patrick
3.3	Create a token_expired error to catch and handle the expired token	2	Patrick
3.4	Kick out user if the token is expired. Redirect to login-page	3	Patrick, Peter
3.5	Testing	2	Patrick

Acceptance Criteria:

1. Token expires and reflects on the backend
2. User is kicked out of the app to the login page after they do an action with an expired token.
3. Backend will create a new token when the user logs back in so they can continue their session

User Story 4: *As a person with a strict budget, I would like to find new places that are well within my budget. (Evan)*

4.1	Add filter to restaurants page to filter by price	2	Evan
4.2	Filter out results from Yelp results to only include certain results	3	Evan
4.3	Testing	1	Evan

Acceptance Criteria:

1. User can toggle between what their price should be on the restaurants page.
2. Only restaurants recommended by Yelp in the range will display.
3. No results that are above/below a certain price range will be shown.

User Story 5: As a mobile user, I want MealTime's layout to reflect the desktop environment in an intuitive way. (Peter)

5.1	Implement global flexbox layout	2	Peter
5.2	Implement fast container switching	3	Peter
5.3	Testing	1	Peter

Acceptance Criteria

1. Layout will retain card layout on smaller screens
2. Components will reload individually when navigating instead of entire page

User Story 6: *As a user, I want to filter recipes by fields like prep time or number of ingredients. (Evan)*

6.1	Add filters when searching for new recipe (time, # of ingredients, difficulty)	3	Evan
6.2	Make call to backend for recipes include filter data	3	Evan
6.3	Make backend read filters, query based on results and return data	3	Evan
6.4	Testing	1	Evan

Acceptance Criteria:

1. User can switch between a variety of filters, including time, ingredients, and difficulty on the recipes page.
2. When searching for recipes, the backend and front end will take in these filters as additional options.
3. No recipes will be returned that don't abide by the selected user's filters.

User story 7: As a user, I want to see my macro and monetary goals on the profile page. (Peter)

7.1	Add ability to edit macro goals on profile page	2	Peter
7.2	Add ability to edit monetary goals on profile page	2	Peter
7.3	Implement goals retrieval endpoint	3	Peter
7.4	Display goals and current levels on home page	3	Peter
7.5	Testing	1	Peter

Acceptance Criteria:

1. User can enter macro and monetary goals and budget info on another page, in addition to the first time user page
2. Macro information is displayed on meals
3. Current progress is displayed on the home page

User story 8: As someone in a rush, I would like to quickly find any restaurant around me that is within my budget. (Peter)

8.1	Implement global Yelp API calls	2	Peter
8.2	Filter out results from Yelp results to only include certain results	3	Peter
8.3	Display how the restaurant fits in budget	3	Peter
8.4	Return restaurants in the user's vicinity	2	Peter
8.5	Testing	1	Peter

Acceptance Criteria:

1. Allow user to quickly search the Yelp API
2. Display recommended restaurants from Yelp
3. The restaurants page will display whether or not a meal there will fit in the user's budgets
4. Show ratings for restaurants

User Story 9: *As a person who likes to know what I'm putting in my body, I would like the ability to track my macros and other nutritional information.*

9.1	Show macros for each added item/recipe in the daily food entry page	3	Patrick
9.2	Get the current amount of macros for the day	1	Patrick
9.3	Show warnings if user is under their daily macro limit	3	Patrick
9.4	Show progress towards the daily macro limit	2	Patrick
9.5	Testing	1	Patrick

Acceptance Criteria:

1. When adding a food item, show the macro nutrients that are in the food item.
2. On the profile page, have the cumulative amount of macros for the day
3. If the user is under the macro limit, show a plaintext warning that tells them they are under their daily values
4. Show that daily progress towards the macro goal via a graph of some sort.

User Story 10: *As a busy person, I would like the ability to plan out meals days ahead of time.*

10.1	When I click on a day in the calendar, it will come up with an entry page	3	Patrick
10.2	Create an add meal button	1	Patrick
10.3	Create an endpoint for add meal and connect with frontend	4	Patrick
10.4	Testing	2	Patrick

Acceptance Criteria:

1. When a day is clicked on the calendar, it will pull up the day with food or empty entry page
2. There is a button to add a meal to the user's day
3. When the field is complete and the user saves the data, it will reflect in the backend and on the calendar.

User Story 11: *As someone with dietary restrictions, I need to be able to access recipes that will follow my restrictions.*

Associated Tasks

Task Number	Description	Time	Owner
11.1	Add and retrieve data from/to allergen table	2	Logan
11.2	Have the option to filter out recipes that get recommended to users if they contain certain allergens	4	Logan
11.3	An allergy filter button/checkbox	2	Logan
11.4	Add warnings to ingredients if they are noted to be allergens/restricted to the	4	Logan

	user		
11.5	Add endpoint for Allergens on the backend.	2	Sam
11.6	Ensure allergens are properly associated with recipes and users and that new allergens are added when provided.	2	Sam
11.6	testing	2	Logan/Sam

Acceptance Criteria:

1. Allergen data successfully retrieved
2. Recipes are filtered without allergens to an acceptable degree
3. Recipes have option to choose whether or not to filter recipes by allergens
4. If filter is off, some type of warning shows if recipe includes an allergen
5. Allergens successfully add to corresponding join tables when added by a user

User Story 12: *As a user, I would like a way to see my current progress in terms of calories and daily values for the day or week.*

12.1	Make Daily Value graph values concurrent with our database	2	Logan
12.2	Make Weekly Progress values concurrent with our database	4	Logan
12.3	Testing	2	Logan

Acceptance Criteria

1. Daily Values graph values stay current even with newly updated values from database
2. Weekly Progress values stay current even with newly updated values from database.
3. Both are fully functional

User Story 13: *As a user, I would like a way to see new restaurants in the area around me.*

13.1	Retrieve favorites data from database	2	Logan
13.2	Recommendations are based on location	2	Logan
13.4	Testing	2	Logan

Acceptance Criteria

1. Successfully retrieve favorites from database
2. Recommendations are based on location
3. Shows basic information about recommended restaurants (reviews,price,etc)

User Story 14: *As a user, I want the ability to create recipes and meals using custom ingredients and instructions.*

Associated Tasks

14.1	Modify the existing add recipe endpoint to parse added ingredients on submitted recipes	5	Nick
14.2	Modify the add recipe endpoint to receive nutritional details on ingredients	2	Nick
14.3	Add nutritional value of whole recipe on front end	2	Nick
14.4	Redesign page to make it more mobile compatible	2	Nick
14.5	Testing	3	Nick

Acceptance Criteria

1. Ingredients that are attached to submitted recipes are successfully parsed and

added to the recipe in the database

2. The nutritional details on the ingredient are submitted to the backend
3. The nutritional details of the whole recipe is displayed on the front end.

User Story 15: *As a user, I want the ability to see past nutritional information on a particular date*

15.1	Model for nutritional info verifies new information and updates	2	Sam
15.2	Nutritional information updates when meals are added to a particular day	3	Sam
15.3	Add endpoint for the nutritional information that handles all backend sorting of nutrition by date	3	Sam
15.3	Testing	3	Sam

Acceptance Criteria

1. Past nutritional information is correctly added to the DB
2. Dependent nutritional info from other tables is updated correctly
3. Unit tests run and pass with the above functionality implemented

User Story 16: *As a user, I want the ability to view an interactive calendar with my calorie count and the amount of money spent for each day.*

16.1	Sync calendar with database values	4	Nick
16.2	Testing	2	Nick

Acceptance Criteria

1. Calendar values are synced with the database values

User story 17: *As someone with very specific tastes, I would like if the application could avoid recommending food or restaurants that I'm not fond of.*

Task Number	Description	Time	Owner
17.1	Connect with Yelp API to mark disliked restaurants as 'not applicable' so they are not recommended.	5	Sam
17.2	Create endpoint that handles calls to update restaurant preferences	4	Sam
17.3	Testing	3	Sam

Acceptance Criteria

1. Restaurant preferences are successfully saved when the user leaves restaurant preferences
2. Endpoint successfully receives API calls and reacts accordingly
3. Unit tests successfully run and test above functionality

User Story 18: As a person who likes to cheat on their diet, I would like to have a cheat

day/meal button/setting that allowed me to go past my caloric budget

18.1	Create an endpoint that will override the caloric limit of the day	4	Nick
18.2	Allow users to set cheat day parameters	2	Nick
18.3	Sync cheat day information to calendar and other front end pages	3	Nick
18.4	Testing	2	Nick

Acceptance Criteria

1. Upon submitting a cheat day, the caloric limit is overridden
2. The cheat day information is synced with backend and all other front end pages
3. Cheat day parameters that are set are reflected on back end

Remaining Backlog

- ~~1. As a mobile user, I want MealTime's layout to reflect the desktop environment in an intuitive way.~~
- ~~2. As a healthy person, I would like to be able to count my daily calorie intake, and then have a weekly/daily total.~~
- ~~3. As a developer, I want to host a database in MongoDB on the backend.~~
- ~~4. As someone with dietary restrictions, I need to be able to access recipes that will fit within my caloric intake as well as the restrictions specified.~~
- ~~5. As a person with caloric restrictions, I would like the ability to track my caloric intake throughout the day.~~
- ~~6. As a person who likes to know what I'm putting in my body, I would like the ability to track my macros and other nutritional information.~~
- ~~7. As a culturally diverse person, I would like to be able to find culturally diverse restaurants, and not just have a bunch of fast food within my budget.~~
- ~~8. As a person who likes to cheat on their diet, I would like to have a cheat day/meal button/setting that allowed me to go past my calorie budget.~~

9. ~~As someone who doesn't cook much, I would like to have an easy-to-access hub of recipes and food options.~~
10. ~~As someone who wants to help others be healthier, I would like the ability to share my recipes with others.~~
11. ~~As a food enthusiast, I would like to go to new places with high reviews and that are well liked.~~
12. ~~As a person with a strict budget, I would like to find new places that are well within my budget.~~
13. ~~As someone with a gluten restriction, I would like to find restaurants that have gluten-free things on their menu.~~
14. ~~As someone with very specific tastes, I would like if the application could avoid recommending food or restaurants that I'm not fond of.~~
15. ~~As someone with a sweet tooth, I would like to find a place with good desserts.~~
16. ~~As someone in a rush, I would like to quickly find any restaurant around me that is within my budget.~~
17. ~~As someone who uses low budget ingredients, I would like to find a recipe that I can replace the more expensive ingredients with lower budget ones.~~
18. ~~As someone who is trying to bulk up, I would like to find recipes and restaurants that allow me to eat large amounts of calories.~~
19. ~~As a college student, I would like to find recipes with preparation times that I can support in my schedule.~~
20. ~~As a busy person, I would like the ability to cook meals in advance in order to save time.~~
21. ~~As a busy person, I want to be able to know what the prep time of a particular recipe might be.~~
22. ~~As a busy person, I would like to know how long a restaurant might take to serve me.~~
23. ~~As a person without a car, I would like to find a few places to eat at within my budget that are nearby (If time allows us to use location services)~~
24. ~~As someone who likes to eat at restaurants occasionally, I would like to be recommended restaurants based on recipes that I have cooked (if time allows).~~
25. ~~As someone who is generally fit, I would like to find workouts that allow me to continue bettering myself (if time allows).~~