# Sprint 3 Plan

**Product:** Nutrient+
**Team:** Nutrient+ Team
**Sprint Completion:** November 17th, 2019
**Revision:** 1.0**; Date:** November 3rd, 2019

## Goal:

- The goals of Sprint 3 are to remember a user's personal health information, track their daily nutritional intake, and customize their daily intake preferences.

## Task Listing

- **User Story 1 (2):** As a user, I want to create and update a user profile so the app can tailor the intake information to my needs.
    - **Task 1:** Calculate nutritional recommendations for inputted user information (6 hours)
    - **Total for user story 1:** 6 hours

- **User Story 2 (1):** As a user, I want to keep track of my current daily intake so that I know what nutrients I still need for the day.
    - **Task 1**: Adding data on nutrients found to user data page (3 hours)
    - **Total for user story 2:** 3 hours
    - Acceptance Criteria:
        - Given data on nutrition intake, that data should persist and be displayed on the main page.
    - Definition of Done:
        - 1 peer review
        - git merge
        - passes acceptance criteria

- **User Story 3 (2):** As a user, I want to adjust the predetermined daily nutrient goals so that I can create my own goals.
    - **Task 1:** Create UI for modifying recommended values (6 hour)
    - **Total for user story 3:** 6 hours
    - Acceptance Criteria:
        - There should be a page dedicated to modifying nutrient goals and saving these modified targets.
    - Definition of Done:

        - 1 peer review
        - git merge
        - passes acceptance criteria

- **User Story 4 (3):** As a developer, I want a function that reloads some data each time the page loads so that a new food can be recommended.
    - **Task 1:** Research a function that can reload data on a view each time (3 hours)
    - **Task 2:** Implement function (3 hours)
    - **Task 3:** Test function (3 hour)
    - **Total for user story 4:** 9 hours
    - Acceptance Criteria:
        - A food recommendation must be reloaded each time the app is reloaded. The recommendation need not be different from the last if no change in nutritional intake has changed. If nutritional intake has been updated, the recommendation should be updated.
    - Definition of Done:
        - 1 peer review
        - git merge
        - passes acceptance criteria

- **User Story 5 (5):** As a developer, I need an API for recommending food so that I can recommend the user some food.
    - **Task 1:** Research different APIs that allow querying via nutrients (4.5 hours)
    - **Task 2:** Test API with Postman (4.5 hours)
    - **Task 3:** Implement the API (4.5 hours)
    - **Task 4:** Print out the retrieved data to console (2 hours)
    - **Total for user story 5:** 15.5 hours
    - Acceptance Criteria:
        - There should be a function that recommends food given current nutrient progress.
        - Base acceptance criteria for a recommendation is a recommendation being printed in the logs for every single nutrient.
        - A recommendation must be displayed on the main page.
    - Definition of Done:
        - 1 peer review
        - git merge
        - passes acceptance criteria

- **User Story 6 (3):** As a developer, I want a weighted value of the importance of a specific macro or micro so I know which to prioritize when recommending food.
    - **Task 1:** Create test function for evaluating weights (4.5 hours)
    - **Task 2:** Repeatedly test and tweak the weighted values (3 hours)
    - **Total for user story 6:** 7.5 hours
    - Acceptance Criteria:
        - Output a food recommendation given some test nutritional progress.
        - This should be a "reasonable" recommendation as decided by the development team and product owner.
    - Definition of Done:
        - 1 peer review
        - git merge
        - passes acceptance criteria
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- **User Story 7 (5):** As a user, I need a clean and straightforward UI to view the recommendations.
    - **Task 1:** Agree on a design for the UI (1 hour)
    - **Task 2:** Implement the UI (3 hours)
    - **Task 3**: Add a picture of the recommended food (9 hours)
    - **Total for user story 7:** 13 hours
    - Acceptance Criteria:
        - The recommendation UI should be at the top of the main page. It should include an image of the food.
    - Definition of Done:
        - 1 peer review
        - git merge
        - passes acceptance criteria

## Team Roles

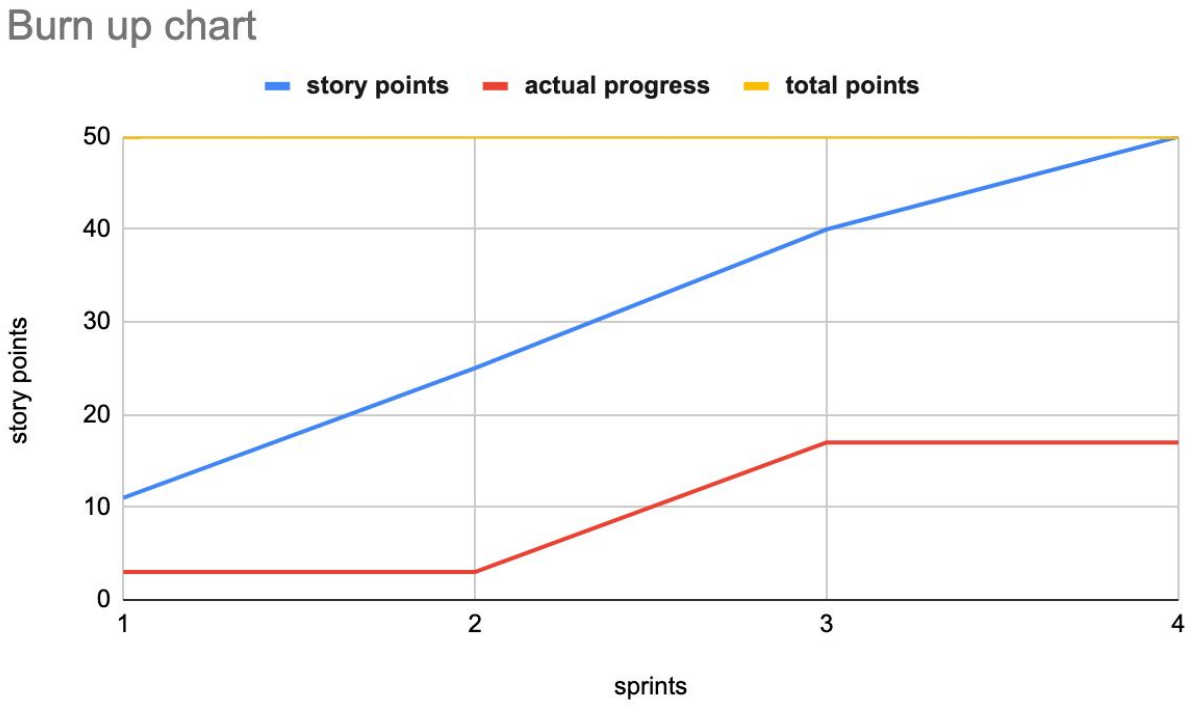
- **Rob:** Product Owner, Developer
- **Max:** Developer
- **Victor:** Developer
- **Helen:** Developer
- **Andi:** Scrum Master, Developer

## Initial Task Assignment

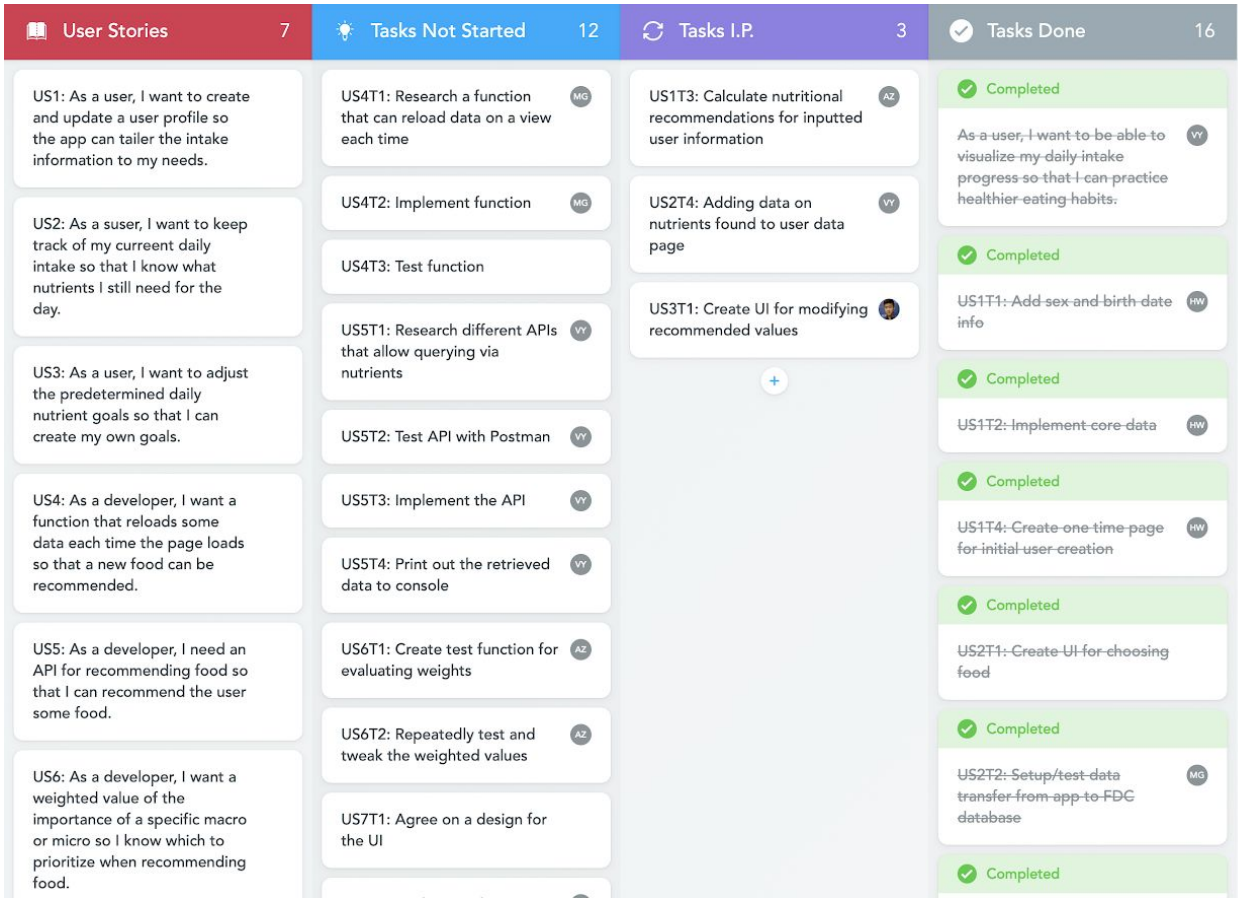
- **Rob:** US 3 Task 1
- **Max:** US 4 Task 1, 2
- **Victor:** US 2 Task 1, US 5

- **Helen:** US 7 Task 2, 3
- **Andi:** US 1 Task 3 ; US 6 Task 1, 2

## Initial Burnup Chart



## Initial Scrum Board




## Scrum Times

- **M:** 11:30 - 12 P.M. TA meeting
- **T/TH:** 3:30 - 5:30 P.M.
- **F:** 10 - 12 P.M.