

Sprint 4 Plan

Product: Nutrient+

Team: Nutrient+ Team

Sprint Completion: December 1st, 2019

Revision: 1.0; **Date:** November 19th, 2019

Goal:

- The goal of Sprint 4 is to implement a database so the user's personal and nutritional data persist in the system. We will also finish components which have not been completed and thoroughly test and finalize our product features.

Task Listing

- **User Story 1 (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 (9 hours)
 - **Task 2:** Repeatedly test and tweak the weighted values (6 hours)
 - **Total for user story 1:** 15 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
- **User Story 2 (5):** As a developer, I want a local database so that the user's nutritional data persists.
 - Task 1: Produce a local database that has CRUD functionality (4 hours)
 - Task 2: Populate the database with weights (2 hour)
 - Task 3: Populate the database with targets (4 hours)
 - **Total for user story 2:** 10 hours
 - **Acceptance Criteria:**
 - Database should persist nutritional progress throughout the day.
 - Database should reset everyday.
 - There should only be a single instance of the database.
 - **Definition of Done:**

- 1 peer review
 - Git merge
 - Passes acceptance criteria
- **User Story 3 (5):** As a user, I want the amount of food I ate to be editable so I can input more/less than one serving at a time.
 - Task 1: Add popup after user selects food (2 hour)
 - Task 2: Specify popup content to ask user to specify a serving size in grams (2 hour)
 - Task 3: Take serving size amount and calculate relative nutritional values (1 hour)
 - Task 4: Update database with nutritional progress (1 hour)
 - **Total for user story 6:** 6 hours
 - **Acceptance Criteria:**
 - After selecting a food to enter, a popup should ask the user how many grams of the selected food was consumed
 - **Definition of Done:**
 - 1 peer review
 - git merge
 - passes acceptance criteria
- **User Story 4 (5):** As a developer, I need the database information to be used in all places where we implemented nonpersisting data.
 - Task 1: Implement displaying the nutrition daily progress on the main page (4 hours)
 - Task 2: Implement updating the target values in the EditInfoVC (4 hours)
 - Task 3: Update the database with nutrition information from the food eaten. (4 hours)
 - Task 4: Function for updating the database with nutrition progress (4 hours)
 - **Total for user story 3:** 16 hours
 - **Acceptance Criteria:**
 - All necessary data must persist.
 - All unit tests must pass
 - **Definition of Done:**
 - 1 peer review
 - git merge
 - passes acceptance criteria
- **User Story 5 (3):** As a user, I want to edit my personal information so that I can change my profile.

- Task 1: Create new page for editing personal information (2 hour)
 - Task 2: Update the values in core data with user's input (4 hours)
 - **Total for user story 4: 6 hours**
 - **Acceptance Criteria:**
 - Edit page must handle no user input. (i.e. what if they only change height)
 - **Definition of Done:**
 - 1 peer review
 - git merge
 - passes acceptance criteria
- **User Story 6 (5):** As a user, I want a nicer looking UI so that I will want to use the app.
 - Task 1: Create a logo for the app (2 hour)
 - Task 2: Create a loading page (2 hour)
 - Task 3: Plan out design (4 hours)
 - Task 4: Implement design for the main page with the nutritional info (4 hours)
 - Task 5: Implement design for all other pages (4 hours)
 - Task 6: Fix popover segues (2 hour)
 - **Total for user story 5: 18 hours**
 - **Acceptance Criteria:**
 - All pages should have a similar layout (in terms of back buttons/enter)
 - Views should show without unrelated views being behind them.
 - There should be a common theme throughout the app.
 - **Definition of Done:**
 - 1 peer review
 - git merge
 - passes acceptance criteria
 - **User Story 7 (5):** As a developer I want to be able to test individual functions to make sure that each module works as intended
 - Task 1: Write a couple of dummy test cases to get a feel of how to unit test (4 hour)
 - Task 2: List out important aspects of the app to unit test/think of edge cases (1 hour)
 - Task 3: Write the unit tests and assert that they all work (4 hour)
 - **Total for user story 7: 9 hours**
 - **Acceptance Criteria:**
 - All tests must pass
 - **Definition of Done:**
 - 1 peer review

- git merge
- passes acceptance criteria

Team Roles

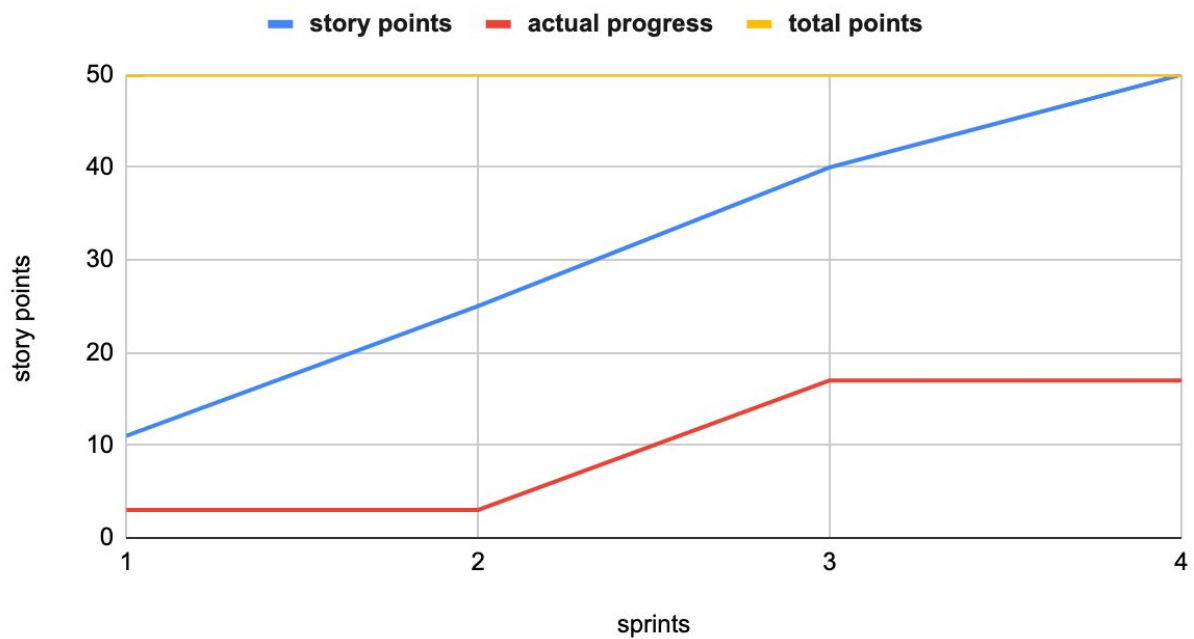
- **Rob:** Product Owner, Developer
- **Max:** Developer
- **Victor:** Scrum Master, Developer
- **Helen:** Developer
- **Andi:** Developer

Initial Task Assignment

- **Rob:** US2: T2
- **Max:** US2: T1
- **Victor:** US2: T1, US3, US4
- **Helen:** US4: T1, T2
- **Andi:** US 7

Initial Burnup Chart

Burn up chart



Initial Scrum Board

User Stories 7		Tasks Not Started 19		Tasks I.P. 5		Tasks Done 29	
data.		US5T5: Implement design for all other pages		US2T2 Populate the database with weights (2 hour)		Completed	
US4 (3): As a user, I want to edit my personal information so that I can change my profile.		US5T6: Fix popover segues		US2T1 Produce a local database that has CRUD functionality (4 hours)		Add TA to github	
US5 (5): As a user, I want a nicer looking UI so that I will want to use the app.		US6T2: Specify popup content to ask user to specify a serving size in grams		US4T1: Create new page for editing personal information		Learn Swift	
US6 (5): As a user, I want the amount of food I ate to be editable so I can input more/less than one serving at a time.		US6T3: Take serving size amount and calculate relative nutritional values		US6T1: Add popup after user selects food		Completed	
US7 (5): As a developer I want to be able to test individual functions to make sure that each module works as intended		US6T4: Update database with nutritional progress		US7T1: Write a couple of dummy test cases to get a feel of how to unit test		Create a launch page	
		US7T2: List out important aspects of the app to unit test/think of edge cases				Completed	
		US7T3: Write the unit tests and assert that they all work				Create basic page layout for iOS app	
						Completed	
						US1: As a user, I want to create and update a user profile so the app can tailor the intake information to my needs.	

Scrum Times

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