Sprint 3 Plan
NutriFit
Sprint Completion Date: November 23, 2016
Revision Number: 1.0
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Goal: The goal of this sprint is to allow users to scan a barcode and have the item scanned be added to the foods database. They should also be able to view the total nutrition information associated with all of their meals on a certain day. The edit meal activity should have an easy to use UI. The user should also be able to view their workout progress for a selected exercise or workout. The user should also have a tracker to guide them through a workout.

User Story 1

As someone who wants to monitor my food and macronutrient intake, I want to be able to scan a food item's barcode and have that item be added to the food database.
Task 1: There needs to be a way to send a barcode number to a web server and receive the nutrition information back from that server. 4 hours.
Task 2: There needs to be a way to scan a barcode such that the barcode number is obtained. 5 hours
Total for User Story 1: 9 Hours

User Story 2

As someone working out, I want to be able to log the repetitions and amount of weight I use during each set of an exercise so that I can track the progression of my strength.
Task 1: In the exercise log, the user needs to be able to log the number of repetitions under the given set. This may take around 8-9 hours.
Task 2:
Total for User Story 2: 20 -24 Hours

User Story 3

As someone who wants to lose weight, I want to be able to see my caloric intake so I can better adjust my diet.
Task 1: Be able to sum up all of the nutrients in a meal. 2 hours
Task 2: Be able to look at what meals a user ate and use this data in order to graph their macronutrients for the previous day, week, and month. 5 hours
Total for User Story 3: 7 hours

User Story 4

As someone trying to gain muscle, I want to be able to monitor my food macronutrients so I can ensure that I am meeting my daily nutritional goals.

Task 1: Be able to sum up all of the nutrients in a meal. 2 hours

Task 2: Be able to look at what meals a user ate and use this data in order to graph their macronutrients for the previous day, week, and month. 5 hours

Total for User Story 4: 7 hours

User Story 5

As someone who wants to improve my health, I want to be able to see exactly how much calories and macronutrients I need.

Task 1: Calculate a user's Total Daily Energy Expenditure (TDEE). 1 hour.

Task 2: Calculate a user's required macronutrients. 2 hours.

Total for User Story 5: 3 hours.

User Story 6

As someone doing cardio, I want to be able to easily keep track of how much time I spend on an exercise.

Task 1: Allow switching from repetitions to time elapsed for certain exercises. 3 hours.

Total for User Story 6: 3 Hours

User Story 7

As someone working out, I want to be able to easily time my rest periods between sets.

Task 1: Display a timer/stopwatch in the workout tracker. 2 hours.

Total for User Story 7: 2 Hours

User Story 8

As someone working out, I want to be able to view a chart of my progress in amount of weight lifted over time for a selected exercise.

Task 1: Explore graphing libraries and choose appropriate design. 1 hour.

Task 2: Write work database function to retrieve all logs for a given exercise. 1-2 hours.

Task 2: Graph weight for all dates logged for a selected exercise. 2-3 hours.

Task 3: Generalize graph to show number of reps completed for each weight on the graph. 1-2 hours.

Total for User Story 7: 4-5 Hours

Team Roles:

Teghpreet Singh (PO)

James Kennedy (Co-PO)

Henry Pan (Developer)

Matthew Deyell (Developer)

Maaz Siddiqui (Scrum Master)

Initial Task Listing

Teghpreet Singh: User Story 1

James Kennedy: User Story 2

Henry Pan: User Story 2

Matthew Deyell: User Story 1

Maaz Siddiqui: User Story 1

Scrum Meetings

Monday 1:15 pm @ globes @ s&e
Wednesday 1:15 pm @ globes @ s&e
Friday 1:30 pm in E-2, 256 [with TA]