

Team A

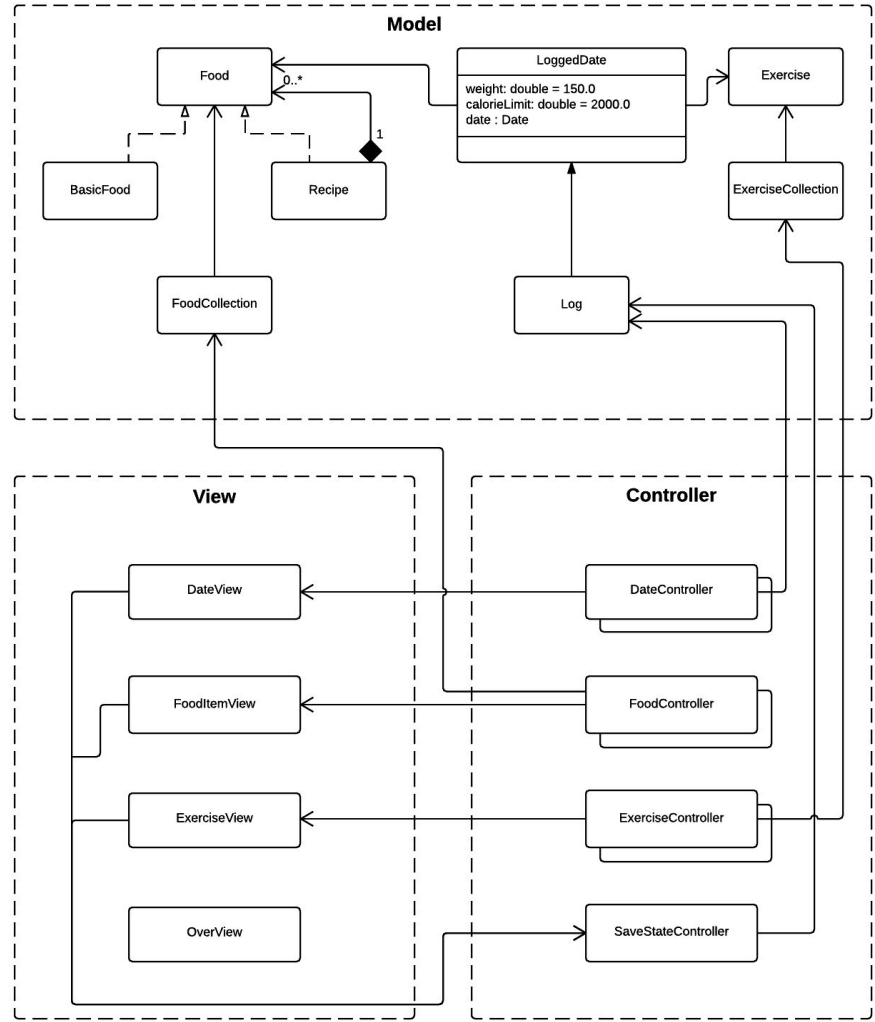
Matthew Atwell

David Camacho

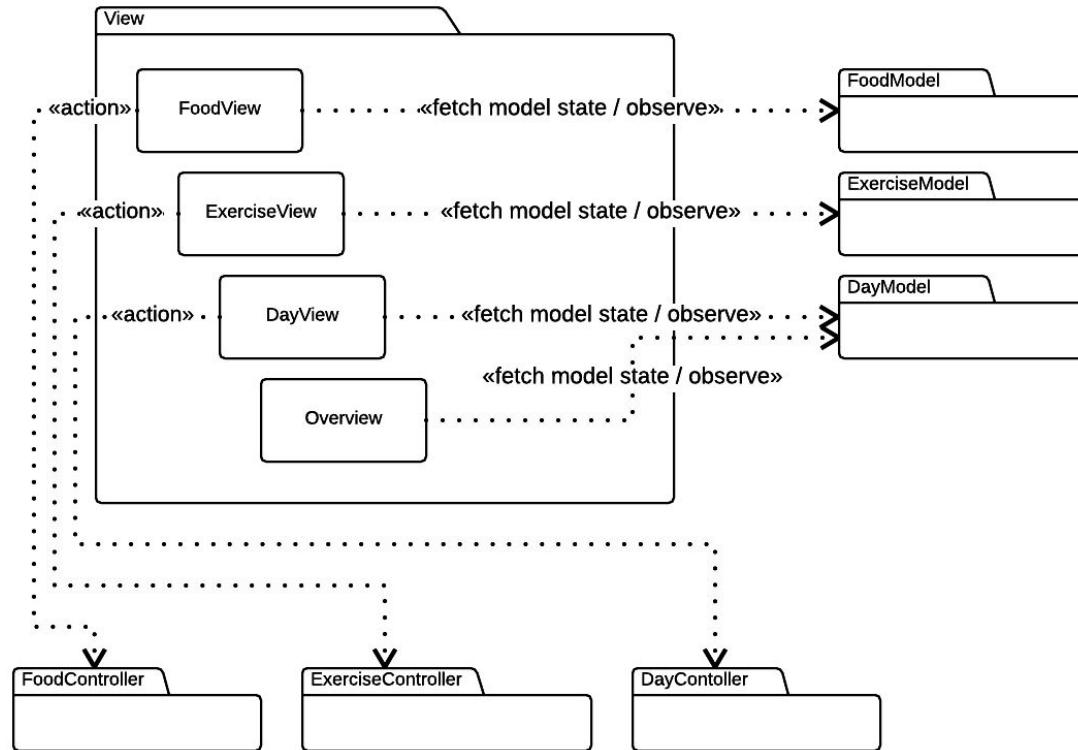
Nathan Hinds

Brendon Strowe

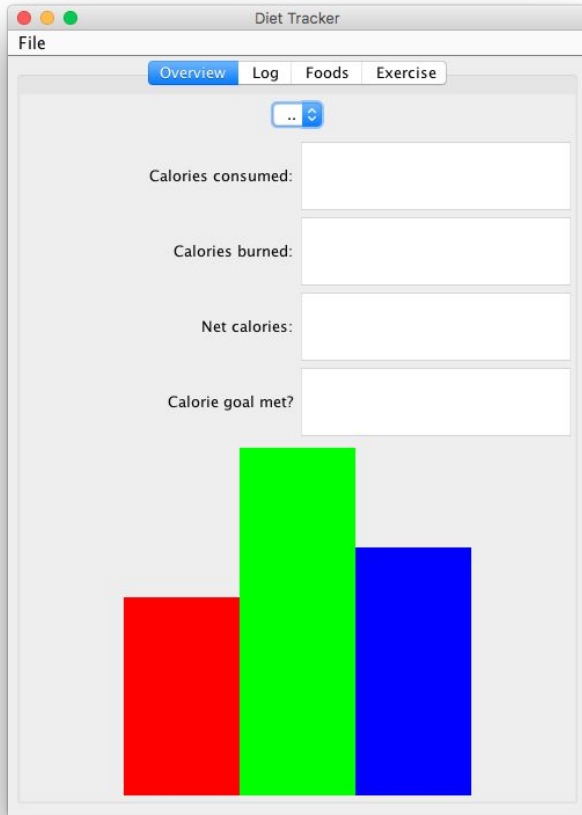
Jenna Tillotson



Our Class Diagram



GUI View



The 'Log' screen of the Diet Tracker application. It includes a 'Select log date:' section with a date picker set to January 1, 2016. Below this are input fields for 'Current weight:' and 'Calorie limit:'. An 'Update Log' button is positioned above a table titled 'Foods consumed on this day:'. The table lists food items and their servings: food1 (2), food2 (1), and food3 (1). Below the table is an 'Add food:' section with a food selection dropdown, a 'Servings:' input field, and an 'Add' button. Another table titled 'Exercises done on this day:' lists exercises and their durations: exercise1 (10 minutes), exercise2 (15 minutes), and exercise3 (20 minutes). At the bottom, there is an 'Add Exercise:' section with an exercise selection dropdown, a 'Minutes:' input field, and an 'Add' button. A 'Total Calories Burned:' input field is located at the very bottom.

Food	Servings
food1	2
food2	1
food3	1

Exercise	Time (minutes)
exercise1	10
exercise2	15
exercise3	20

GUI Screenshots

Diet Tracker

File

Overview Log **Foods** Exercise

New...

Name:

Calories:

Fat:

Carbohydrates:

Protein:

Update Food Item

Select Recipe:

Recipe Name:

Food	Amount
ingredient1	4
ingredient2	2
ingredient3	1

Add Ingredient: .. x Quantity

Diet Tracker

File

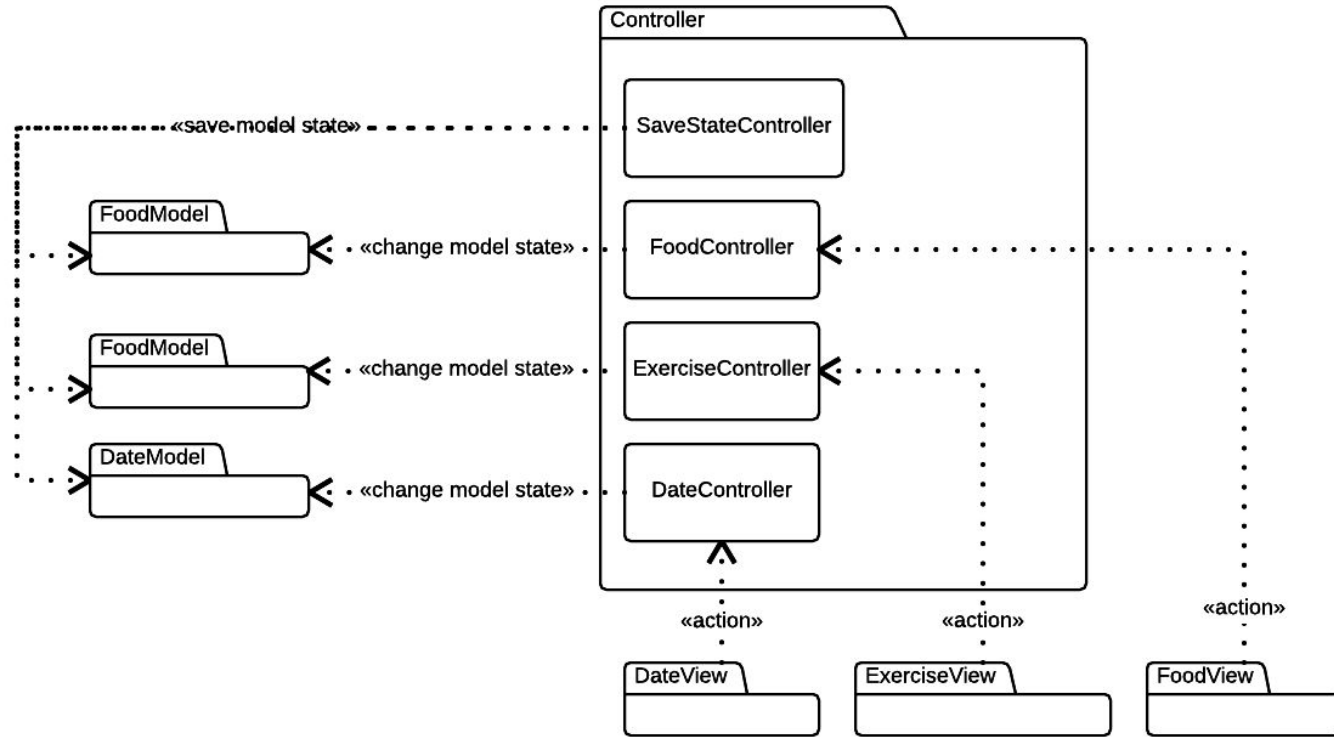
Overview Log Foods **Exercise**

New...

Name of Exercise:

Cals burned per hour by 100lb person:

GUI Screenshots



Controller Subsystem

Exercise Controller: All new!

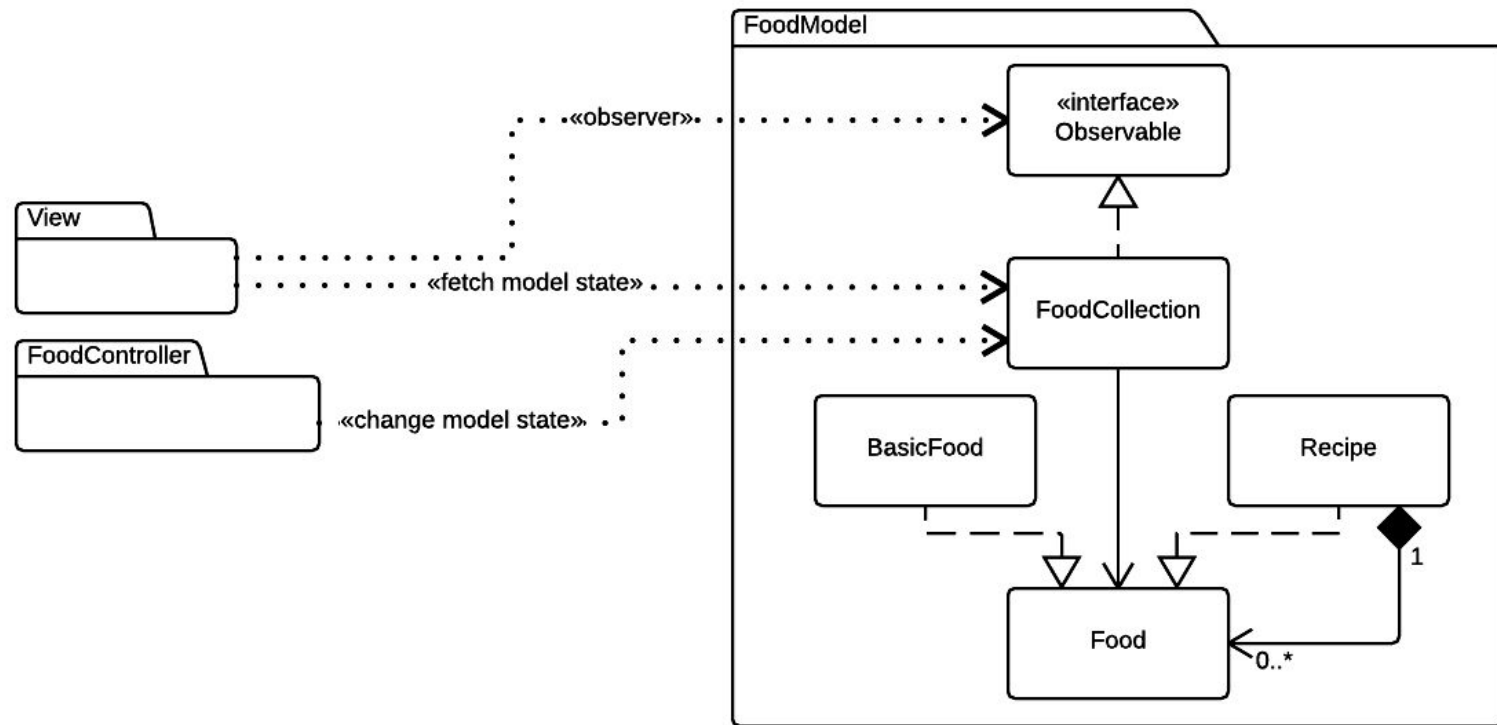
- UpdateExerciseListener
 - For adding manipulating information on Exercise (whether they be new or already created).
- ManipulateExerciseListListener
 - Determines what action a user takes when selecting an option from the JComboBox drop down (e.g. create new or load existing)
- DeleteExerciseListener
 - For deleting an Exercise object from the ExerciseCollection

Food Controller: New Additions

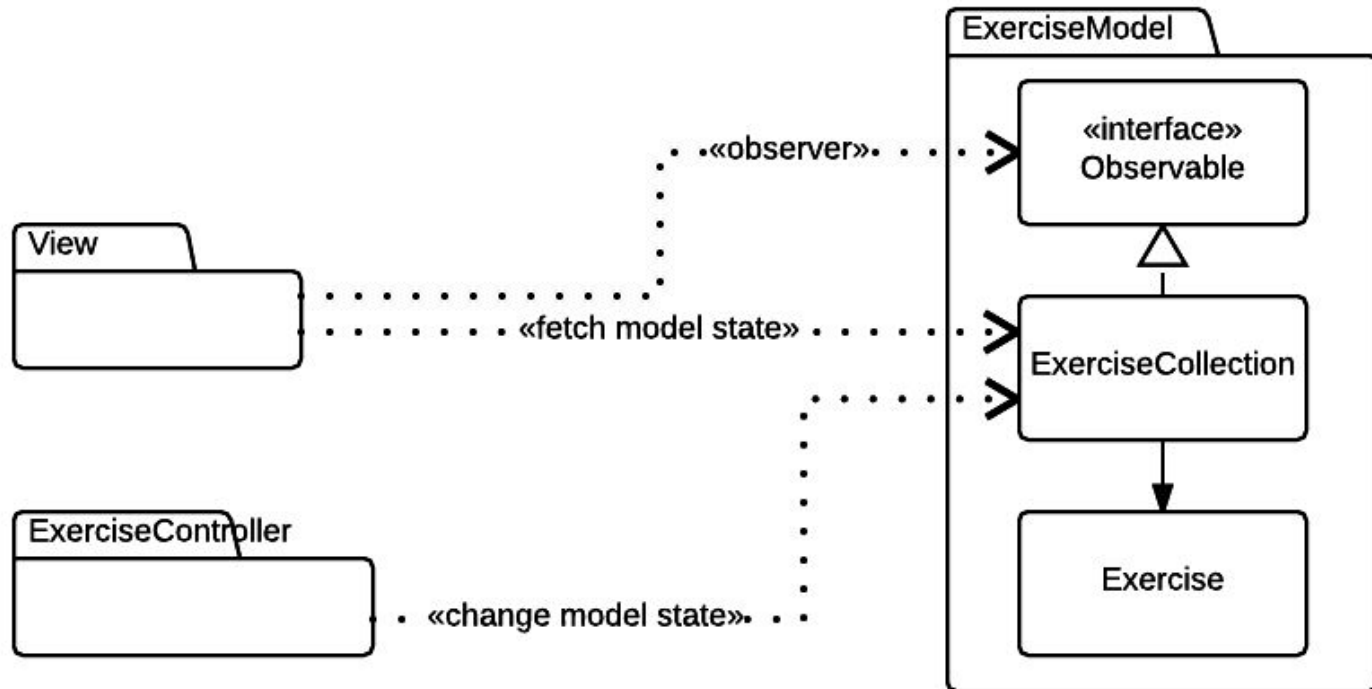
- DeleteIngredientListener
 - For deleting a Food from a Recipe
- DeleteFoodListener
 - For deleting a Food from the FoodCollection

Log Controller: New Additions

- AddDateListener
 - This class sends the date, calories and weight to the Day class
- AddExerciseListener
 - This class sends the date and exercises to the Day class
- AddFoodDateListener
 - This class sends the date, food and servings to Day class

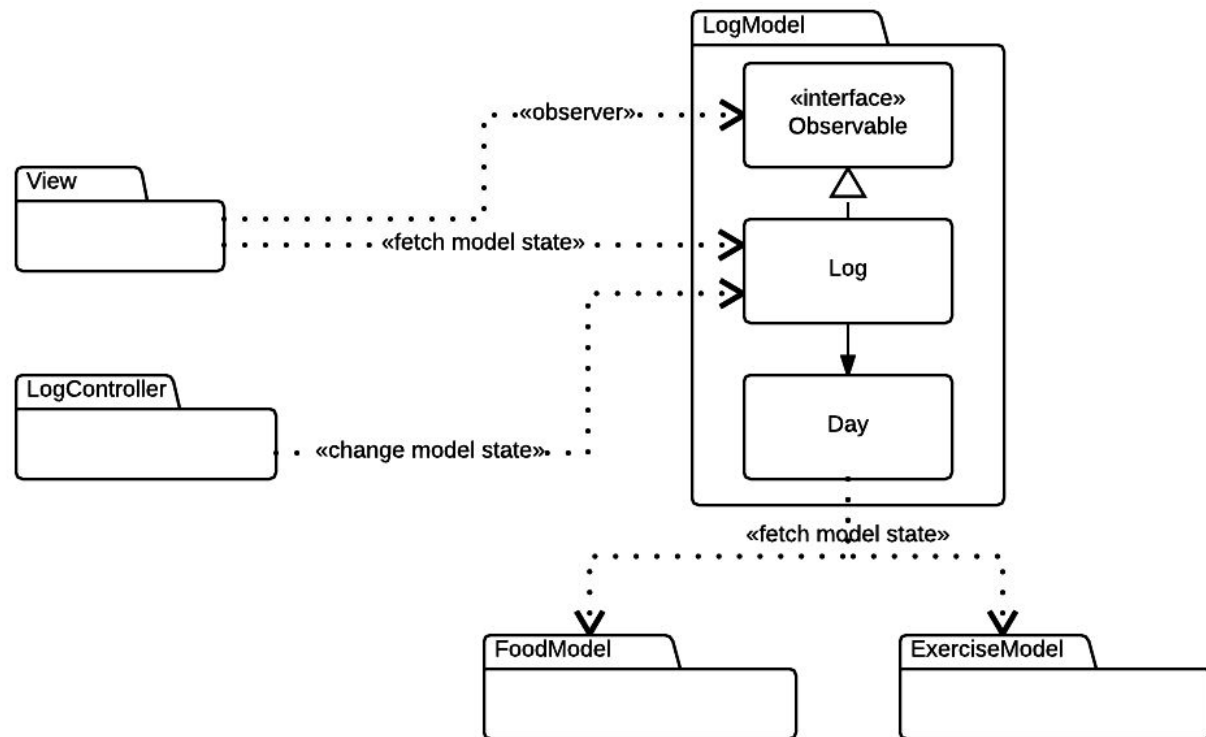


Food Model



Exercise Model

Date Model



Issues & Tradeoffs

- Lost a member of our group
 - Had to redistribute responsibilities among the remaining members
- Still working on saving to CSV
 - Things now only save as long as the program stays open