

## A-Team README - 5 points

1. Team Members: (copy name, email, x-team for each team member here)
2. **Team size:**      x-team + 4      or      1 pt per team member (max of 4pts)      **+ 4** \_\_\_\_\_
3. **Indicate which rubric to use:**      **Standard** or **Alternate**      **+ 1** \_\_\_\_\_

## STANDARD RUBRIC (max of 95 points)

### Render initial GUI for Food Query and Meal Analysis Team Project + 25 points

1. The program includes instructions for use or usage is obvious to new user      **+ 5** \_\_\_\_\_
2. The user-interface includes:
  - a. a visible food list (3) or show/hide option and way to add food (2)      **+ 5** \_\_\_\_\_
  - b. a way to load (3) and save (2) food items from a file      **+ 5** \_\_\_\_\_
  - c. meal list: visible (2), add to meal (2), analyze meal (1)      **+ 5** \_\_\_\_\_
3. Appropriate placement placement of controls wrt each other + use + aesthetics      **+ 5** \_\_\_\_\_

### GUI Functionality - 50 points

1. File: load from a file (6), save to file (4)      **+10** \_\_\_\_\_
2. Meal List: select from filtered food list (4), add to meal (4), clear meal (2)      **+10** \_\_\_\_\_
3. Analysis: view summary (5), easy to read (3), consistently ordered (2)      **+10** \_\_\_\_\_
4. Food query: list of rules (2), add rule (2), remove rule(1), apply query (5)      **+10** \_\_\_\_\_
5. Food query is efficient (fast) when number of foot items is large with multiple criteria      **+ 10** \_\_\_\_\_

### User Input Validation - 10 points

1. Does not crash or accept negative nutrition values      **+ 3** \_\_\_\_\_
2. Does not crash or accept alphanumeric nutrition values      **+ 3** \_\_\_\_\_
3. Does not crash or allow food to be on meal list that is not in food list      **+ 1** \_\_\_\_\_
4. Does not crash on meal analysis of empty meal list (alert msg is fine)      **+ 1** \_\_\_\_\_
5. Entering nutrition components out of order works or required order is clearly explained      **+ 1** \_\_\_\_\_
6. Did not experience other user input validation errors or crashes      **+ 1** \_\_\_\_\_

### Style and Commenting - (10 - great, 8 - good, 6 - ok, 3 - poor, 0 - no attempt)      **+10** \_\_\_\_\_

**Program source code is well organized, documented, and easy to read.**

**Grader would want to work with this team.**

## ALTERNATE RUBRIC (max of 50 points)

**1-10 points - for a working FoodData class**

**1-10 points - for a working BPTree that passes our BPTreeTest (JUnit test class)**

**1-10 points - for submitting Test classes showing what works and doesn't yet work**

**1-10 points - for some file load/save/list food functionality with document of what is missing**

**1-10 points - for some GUI functionality and documentation of what is missing**