

Team Name: BlackPink

Team Members: Yusuf Jabbar, Yujun Lee, Leon Meng

Revision Date: 4/24/23

5/5/23

5/15/23

5/17/23

Program Purpose: To align dietary restrictions to the daily life of a human and their specific lifestyles and health goals

Target User Profile: Athletes, Stay at home Parents, Nine to Five, Students

Feature List: Scanner, User Type, Generated Analysis

Instructions:

1. Select user type/type of lifestyle at the top right of the window
2. Press the i button to the right of the user type to find your nutritional information
3. Scan nutritional information/manually input
4. Press the add button, to add your nutrition information
5. Press analyze
6. Compare and contrast your result statements with your health goals

Class List:

- Scanner —
  - Manual Input(ONLY)
  - Can add nutrition facts from various foods for a total
- User type
  - Implements User profiles
    - Athletes, NineToFive, StayAtHomeParents, Students
- Analyze/Analysis
  - Pie chart (calculator/poll lab)

- Gives out regiment of user
- It also includes nutritional values necessary to achieve goal
- Application Panel
  - Displays necessary macros and pie chart to notify the user of their daily intake
- Graphics Panel
  - Generates the pie charts
- BlackPink Capstone
  - JFrame

#### Team Responsibilities:

- Leon:
  - Analysis
  - User
    - Athlete
  - Scanner
  - Application Panel
  - Main(BlackPink Capstone)
- Yusuf:
  - Users
    - Students
    - 9-5
    - Teachers
  - Analysis
  - Application Panel
  - Main(BlackPink Capstone)
- Yujun:

- Graphics Panel
- Panels
  - Application Panel
- Analyze
- UserType(interface class)
- Main(BlackPink Capstone)

#### Known Bugs & Workarounds:

- Scanner
  - Inputting nutrition facts
- Only allowed one JPanel
  - Multiple images in same panel to make it seem like there's all the info is in one window
- Inheritance is confusing
  - Confused on which classes we have to inherit into other classes
  - Solved: Found clarity of how each class works; Made an interface class for usertypes
- Alignment/Graphics when inputting the nutrition facts
  - Made two separate boxes to keep alignment in the panel
- Instead of one large pie chart with all the nutrition facts, we altered our code to have four smaller pie charts with individual macros.

(AFTER )

Key Learnings: Used DanceStudio's dropdown menu, JComboBox, for our user type selection

#### Credit List:

- Poll Lab

- Various graphic and functioning aspects were used
- DanceStudio's Lab
  - JComboBox- Decoded in-class lab to find suitable boxes for our display
  - UserTypes- Inheritance similar to dancestudio
- SnackBar
  - Box GUI setup was used.