



DIET MANAGER V2.0

DESA BRNADA, LUKA DRAGICEVIC, NIKO MADESKO



OVERVIEW

- Track user dietary habits
- Track the food eaten by adding recipes
- Track the calories
- Intake/loss based on recipes and exercise/work
- Log data by specific date

TECHNOLOGY USED

- IntelliJ IDEA
- JAVA
- JFormDesigner Plugin
- GIT

TECHNOLOGY NOT USED BECAUSE OF .CSV FILES AND CODE ONLY 20% OF GRADE

- JAVA FX
- ModernUI Libraries
- User Registration
- Multi User functionality

PATTERNS USED – COMPOSITE

- Best suitable for BasicFood – Recipe hierarchy
- Recipes Objects could be made from BasicFood Object, but also from other Recipe Objects
- Good for not bothering the user with interactions between classes
- Food Interface

PATTERNS USED – MODEL -VC

- MODEL :
 - Everything with the .csv (get, set, write)
 - Updating the controller
 - All Food/Recipe/Exercise/Log/Csv classes

PATTERNS USED – M – V – CONTROLLER

■ CONTROLLER:

- Tied to the View due to single user functionality
- Listener
- Controller manages all interaction between the View and the model.
- class ObjectGetter which instantiates the classes and passes references to the classes which need them.

PATTERNS USED – M – VIEW – C

- GUI for the user
- Interacts with the Controller which interacts with the Model

The screenshot displays a Java Swing window titled "Diet Manager". It features a green title bar with standard window controls. Below the title bar is an "Options" section containing two dropdown menus (one with "Hot Dog" selected, the other with "Gardeni..." selected), two "Add" buttons, and a "Date:" field set to "Apr 27, 2018". A red watermark "JFormDesigner Evaluation" is visible across the center. The main area contains two tables. The left table lists food items and their amounts, and the right table lists exercise names and durations. At the bottom, a summary section displays various nutritional and weight statistics.

Food Name	Amount
Hot Dog-Bun-Mustard	2.5
Hot Dog-Bun-Ajvar	2.0
Hot Dog	2.0
Onion	3.0
Mustard	3.0
Hot Dog Bun	2.5
Ketchup	2.5
Mustard	2.0
Ajvar	2.0

Exercise Name	Minutes
Gardening	15.0
Gardening	20.0
Jogging (5 mph)	20.0

Summary Statistics:

Weight: 185.5	Fats Consumed: 445.4
Calorie Limit: 1800.0	Carbs Consumed: 36.25000000000001
Calories In: 1844.25	Protein Consumed: 166.79999999999995
Calories Out: 13580.0	Net Calories: -11735.75

ISSUES

- Do not use .CSV to manage data!