Kaushik Narayan Balasubramanian
Readme

This is the Readme file for the Webley program. The package contains the following files:

1. CreateWebley.java

   CreateWebley is the place where the program starts its first computation. This java file contains the code to Read the data from a file and store it in a local variable. Various exceptions are handled in this class.

2. CreateWebleyTest.java

   The JUnit test file for the CreateWebley class. Contains all the test cases for all the methods in CreateWebley class.

3. Webley.java

   This java file is the main Driver class. This has the main program and the flow of what other classes and methods are called.

4. WebleyCombinations.java

   This java file retrieves the Dishes(Items) and the Prices and then finds out all possible combinations of the Prices. Then, the program narrows it down to only the few combinations whose sum equals the Target price.

5. WebleyCombinationsTest.java

   JUnit test file for WebleyCombinations. Contains all the test cases for all the methods in WebleyCombinations class.

6. WebleyData.java

   This class is where the list of Prices and the list of Dishes(Items) are stored. It also contains the getter and setter methods for safe retrieval.

7. WebleyDataTest.java

   JUnit test file for WebleyData. Contains all the test cases for all the methods in WebleyData class.

8. WebleyException.java

   Custome Exception class for handling custom exceptions. Various exceptions are handled throughout the program, and this class acts as a base class for all of them.

9. WebleyOperations.java

   This class contains some basic operations like finding the keys of a map, printing the Prices or the Dishes.

ADDITIONAL FILES:

The GitHub repository also contains few Sample.csv files that were used for testing. Those files can be ignored.

HOW TO RUN:

1. Place the jar file in your local directory.
2. type "java -jar Webley.jar"
3. Follow the User prompts.

Detailed information given in "Instructions.txt".

Thank You.