**ReadMe File:**

The zipped folder contains

1. Project code base
2. Jar file
3. Sampe input file(csv)
4. ReadMe file

Text

Description automatically generated

* This application gets the list of Fruits with details like the age of the fruit and its characteristics (which can be 2 or more) from the csv file.
* The application first validates the user input and creates a valid list of fruits
* It then processes then data and returns
* Total count of all fruits in the CVS-file.
* Total count of distinct fruit types in the basket.
* The fruit type and age of the oldest fruit in the basket in days.
* Count of all fruits grouped by fruit types in descending order.
* Count of all fruits grouped by fruit type and all characteristics in descending order.

**Command-line Instructions**

* **Prerequisites:**
  + Install the latest version of [Java](https://java.com/) and [Maven](https://maven.apache.org/download.html).
  + You may need to set your JAVA\_HOME.
* Download the jar file “FruitBasketApp.jar” from the attachment shared and save it to a local folder.
* This application looks for an argument that needs to be passed from the command line.
* Create a sample input file(csv) that meets the requirement (fruit-type,age-in-days,characteristic1,characteristic2) where age is in number. A sample input file can be found in the attachment
* From the terminal, run java -jar FruitBasketApp.jar C:/Desktop/fruits.csv , where C:/Desktop/fruits.csv is the path to the input file. Here is the sample screenshot of how it looks.

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**Run from an IDE (Eclipse, IntelliJ etc)**

* This application can alternatively be run from an IDE. Extract the project code shared to a folder and open it as an existing project using the IDE.

Graphical user interface, application

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