App
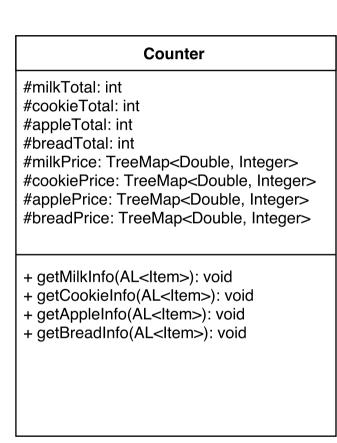
+ field: type

+ Main(): void

ItemListException

String error;

+ ItemListException(String): void

Item

- name: String
- price: String
- type: String
- expirationDate: String

+getName, getPrice, getType, getExpirationDate
+setName, setPrice, setType, setExpirationDate

Parser

namePattern: Pattern
cookiePattern: Pattern
milkPattern: Pattern
breadPattern: Pattern
applePattern: Pattern
pricePattern: Pattern
expirationPattern: Pattern
datePattern: Pattern

+ splitRawData(String data): String[]
+itemGenerator(String[]): ArrayList<Item>
+readRawDataToString: String
+setPriceData: void
+setNameData: void
+setExpirationData: void

Counter

#milkTotal: int
#cookieTotal: int
#appleTotal: int
#breadTotal: int
#milkPrice: TreeMap<Double, Integer>
#cookiePrice: TreeMap<Double, Integer>
#applePrice: TreeMap<Double, Integer>
#breadPrice: TreeMap<Double, Integer>

+ getMilkInfo(AL<Item>): void
+ getCookieInfo(AL<Item>): void
+ getAppleInfo(AL<Item>): void
+ getBreadInfo(AL<Item>): void

FormatOutput

+ stringFormat(): void