Recycling System

The local market would like an automated service that counts beverage containers with a pant and return a receipt to the costumer with the total count of cans/bottles as well as the monetary amount that should be given to the costumer when the receipt is to be redeemed.

The system you need to create - if you accept this mission (AND YOU WILL) - simulates a reverse vending machine. Such a machine is used to collect and identify used beverage containers for recycling or reuse from customers, who in return receive a monetary refund.

There are three different types of bottles or cans:

- Deposit A: Cans and bottles less than 1 liter DKK 1,00
 Exception
- Deposit B: Bottles of plastic 0,5 liters DKK 1,50
- Deposit C: Cans and bottles more than 1 liter DKK 3,00

The Recycling Machine System must:

- 1. have some information concerning each of the return types "A", "B" or "C"
- 2. calculate the total number of the different return items deposited
- 3. calculate the monetary refund
- 4. reset after each transaction
- 5. to print a receipt containing a list of the different types, total number of returned items and the total monetary refund amount for the costumer

Development:

- 1. find use cases model them in a UC model
- 2. create UC descriptions (your choice of type)
- 3. model UC's in SSD (at least 2)
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- 5. model system structure in a Class Diagram
- 6. build your java solution
- * Practice creating separate classes for the system.
- * Test your system and remember to create documentation within your code.





