* Adding extra three columns: conversion, Cust\_Size and BW\_Size and default to 1
* If Cust UOM is [each]:
  + If BW UOM is not [each] -> need to transfer
    - If find the parentheses ():
      * If include the multiply sign, updating the BW\_Size with the product
      * If number appears (ie: (3) or (Roll = 3)), only reading the number and updating the BW\_Size with the number
    - If parentheses haven’t been found:
      * Default BW\_Size = 1
    - Convert the Cust\_Size
      * Web scripting the customer description to get the quantity information from the website
    - Updating the conversion
* If Cust UOM is not each:
  + If Cust UOM matches the format words followed by numbers (i.e.: Ctn12), updating the Cust\_Size with the number
    - (Updating the BW\_Size, similar as above)
    - If BW description includes parentheses ():
      * If include the multiply (x) sign (default to the case insensitive), updating the BW\_Size with the product
      * If only number appears, reading the number and updating the BW\_Size
      * If include the equal (=) sign, reading the number appears in the right side of the equal sign and updating
      * If the key word (OF) (case insensitive) has been found, updating the number that appears either in the left or right of the key word
      * If the sentence only includes one number
        + If the sentence starts with a number and followed by non-numbers (i.e.: 123 ABCD), updating with the number
        + If the sentence only begins with the words and ends by a number (i.e.: AB C 123), updating with the number
    - If there is only one number in the BW description (i.e.: ABC 123 DEF), updating with the number since it is in high possibility that the number is the quantity
    - If the number is at the end of the BW description in the format of words + numbers (eg: WIPES70), updating with the BW\_Size
    - If the number is at the end of the BW description in the format numbers + words (eg: 3PK), updating with the BW\_Size
    - If there is only left parentheses (i.e: **(10**, updating the BW\_Size if it is a number
    - If there is only right parentheses (i.e:**10)**, updating the BW\_Size if it is a number
    - If the BW description ends up with the unit measurement like m, kg, ml, no transformation necessary
    - If multiply sign is inside the BW description, reading the numbers locate on the left and right side of the sign and updating the BW\_Size with the product
  + If the Cust UOM matches the format that ends up with the units measurement say m, kg, gm etc (m|cm|g|kg|ml|l|SH|SHT|Ltr|Lt|ltr|LTRS|GM|)
    - If BW UOM is [each]: Read the number and the units from Cust UOM (eg: if the UOM if 5ML, reading 5 and ML separately) and update with the cust UOM and cust number; Similarly steps for read the BW number and BW units from BW description
      * If cust units = BW units (eg: ML = ML) -> no need the units conversion, updating the Cust\_Size and BW\_Size in the table correspondingly
      * If Cust UOM is shorter but it aligns with the beginning words of the BW UOM (i.e: SH, SHT), treating as the same units
      * Similarly, as the above, like LTR, LT, treating as the same units without transformation
      * If Cust UOM is at the small level of the unit measurement (eg: g, cm and ml), updating the BW\_Size by dividing the unit conversion (eg: 5L should be transferred into the 5000 to align with the cust description 5000ml with a lower level of the measurement)
      * Simiarly step if the Cust UOM is at a higher level of the measurement
    - If BW UOM is not in [EACH] but with the parentheses, updating the BW number inside parentheses and also updating the cust number inside the cust description if it exits
  + If key words pk (ie: pkt, pk,pack) has been read from the cust UOM, reading the cust number near the key words (eg: getting 5 if the cust UOM is 5 PK)
    - If the cust number appears in the BW part description, setting Cust\_Size and BW\_Size to be equal (eg: 14/21 xxxxxx 5 xxxx, setting Cust\_Size = BW\_Size)
    - Else, updating the BW\_Size with the number inside the BW part description
  + If the Cust UOM contains the multiply sign (x)
    - Read the number from left and right side of the sign and mark down separately
      * If the same number has been read from the cust description (i.e: cust UOM = 5 x 3 and cust description: ABCDE 3), updating the Cust\_Size with the number appears twice
      * Else updating the smaller number to decrease the impact of the error
  + Else, setting to default number
  + Updating with the Cust\_Size, BW\_Size and conversion = Cust\_size/ BW\_Size

Notes:

* All the word matchings have been auto set as the case insensitive and empty space free
* Different hierarchies cannot be overlapped. As you can see from the bullet dots structures, the most outside layer is the customer UOM, which means that we are not able to find the inner information like BW description without jump into different UOM classifications