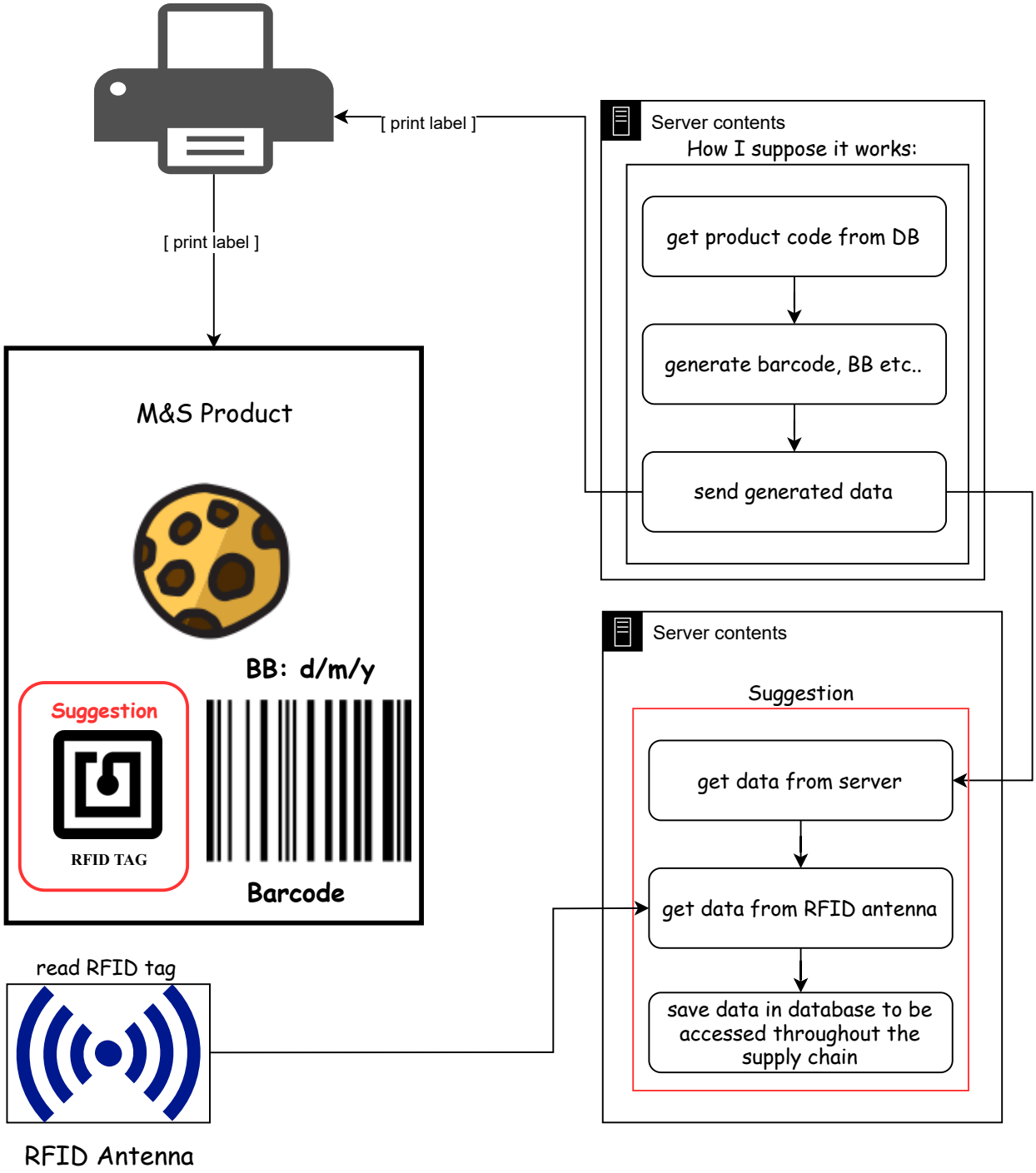
M&S

[I] Product Label Printing

M&S Processing Plant



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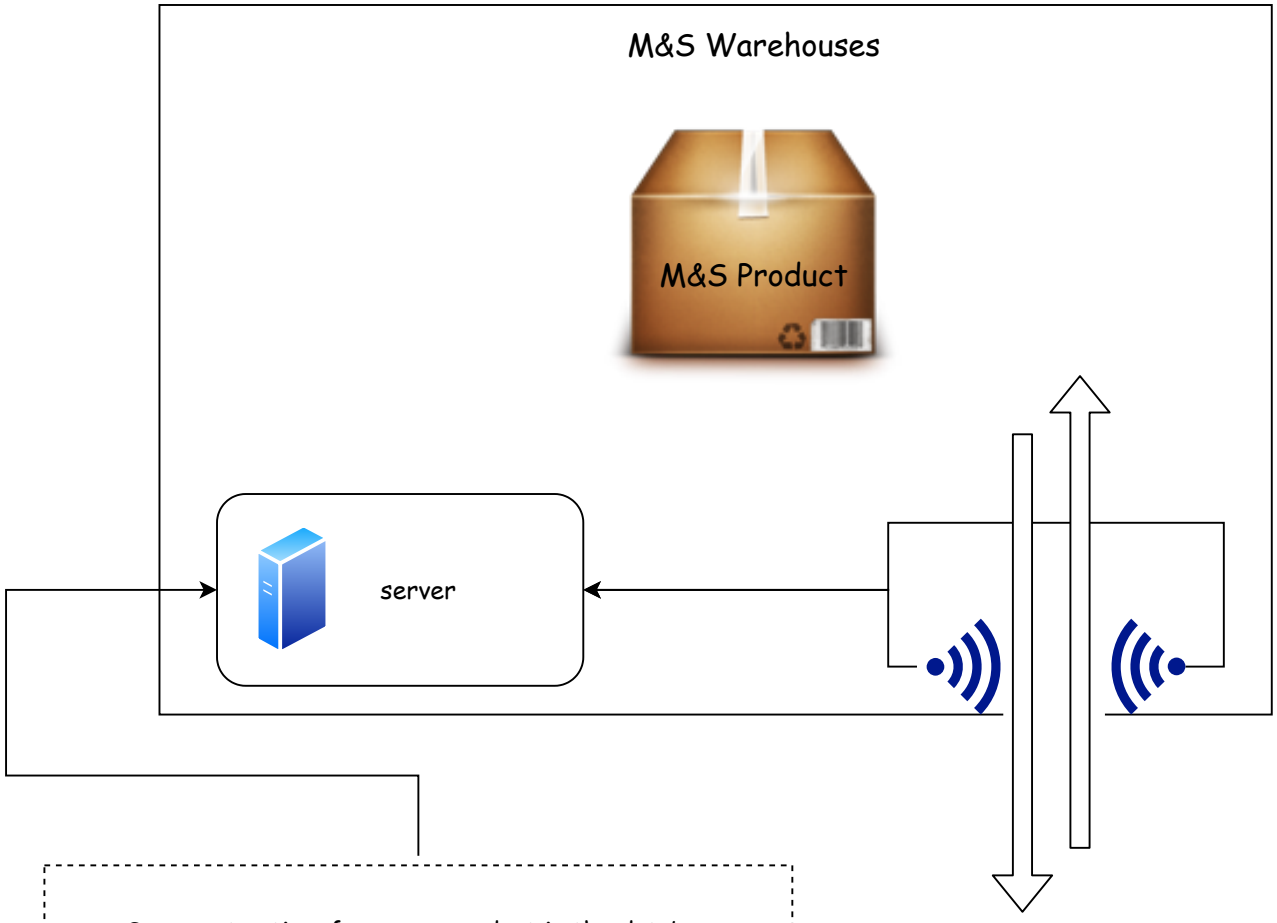
[II] Transportation

M&S Warehouses -> Gist Trucks



- Saves entry time for every product in the database
- maintains inventory,
  - best before date
  - other data
- Saves time when products left the warehouse

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[III] Store

M&S Food Hall Management

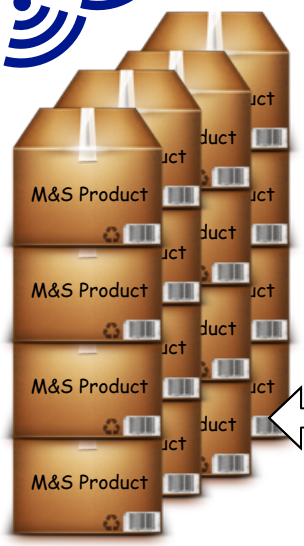
[1]
[2]
[3]
[4]

server

[exit]

Shop Floor

M&S Store Storage



Shop Floor

[DOOR]

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[III] Store

Explanation

Store Server Tasks

- RFID Antennas INPUT
    1. Keeps track of new inventory coming in
    2. Keeps track of products that go in the Shop Floor
    3. Keeps track of in-store storage
    4. Keeps track of products leaving the store
- Keep track of inventory and suggest to managers which products have a near BB date
- Calculate the transport time.
- Automatic counting
    - products = productsIn - productsOut
    - productsInShopFloor = products - productsInStorage
- Show managers the list of products that need to be reduced on that day
    - employees won't have to check all the products
    - they will have to check only the products that have the BB date that needs to be reduced
    - (If there is an RFID checkout, the reduction can be done automatically)
- There might be an RFID self-checkout system, where the customers won't have to scan the bar code, but just put their basket near an RFID antenna, and the system will scan all the items automatically.
- If there is an RFID checkout, the system can identify items/products that leave the shop unpaid
- There might be a portable RFID reader that scans all the products on the shelves.
- And many more...

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