

**1. Problem Background:**

-As the size of any inventory increases, be it simple groceries or supplies of a given company there comes a risk of losing track of important information regarding the items of said inventory, be it the amount, cost and even availability, due to a lack of proper inventory management.

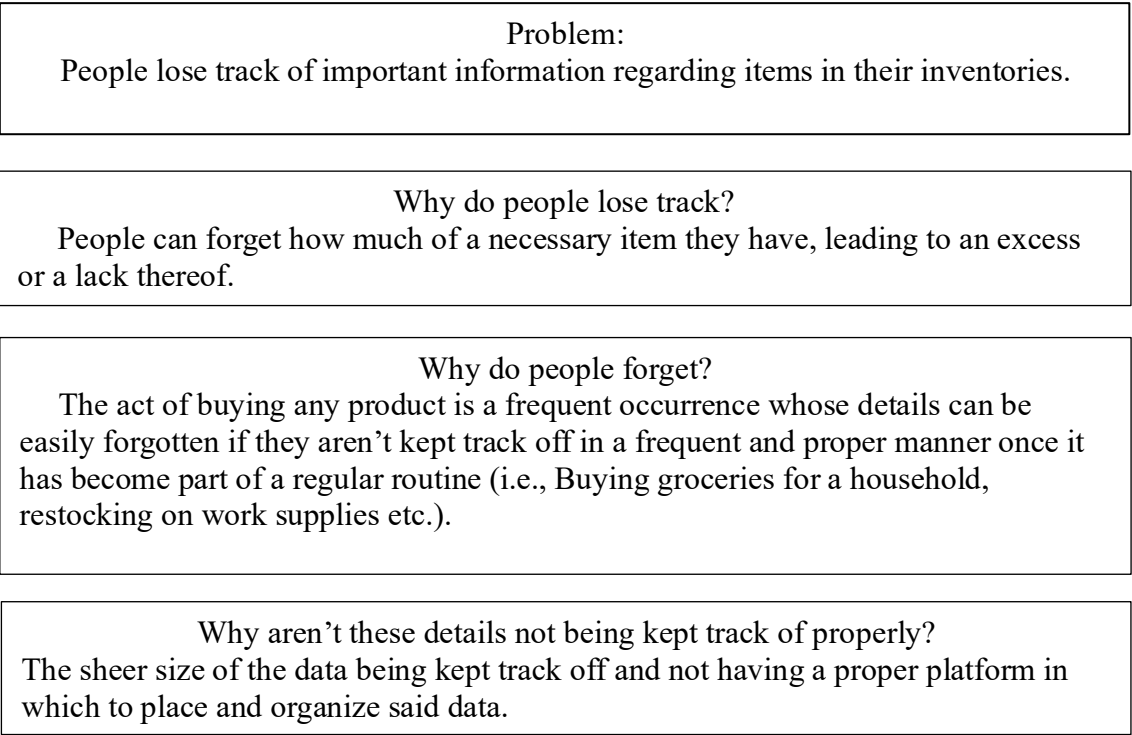
-Failure to properly keep track of said information can lead to an excess or lack of product leading to not being able to make use of enough of a particular product or not having enough of it, let alone the potential monetary loss that comes with this situation.

-As perfectly stated in the article ‘*Does Inventory Affect Profit & Loss*’: “...inventory does affect your profit or loss. It just does so in a somewhat roundabout way”.

**2. Target:**

The goal to be achieved is to be able to provide a platform in which any person can create and/or represent any amount of inventories of any size, manage and keep track of the amount of each item in said inventory, manage availability of said items, categorize items by type (food items, household item, etc.), keep track on the amount of money spent as well as the possible uses an item may have.

**3. Causes:**



**4. Countermeasures:**

- Allow users to create one or more inventories to keep track of.
- Inventories can be labeled accordingly as well as deleted or emptied.
- Allow them to create types under which items will be categorized.
- The user will be able to assign the amount of an item and edit it accordingly
- Users will be able to add or remove items form the inventory as they see fit.
- They will also be able to assign the cost of each item and view the total cost.
- Availability of an item can also be assigned in order to determine priority when purchasing an item.
- In the case of multiple people managing a single inventory, users can be notified if the amount of any item reaches a threshold that can be established which can indicate whether there’s enough or too little of a certain item.

**5. Check/Evaluate:**

-Proper verification of each user’s account and login credentials is necessary in order to maintain and protect the information present in each account.

-Additionally unusual surges in activity (or lack thereof) within one or more accounts must be monitored to prevent bot/inactive accounts from being prevalent within the service.

**6. Act/Standardize:**

-By the end of the project, proper maintenance of the service will be required in order to ensure a properly working platform.

-Additional improvements in both features and accessibility will also be a point of focus in the long term.

-Surveys, polls, and other methods of receiving user feedback will provide us insight on customer satisfaction and/or critique in order to improve the platform and ensure its longevity.

**Works Cited:**

Joyner, J. (2018, April 13). *Does inventory affect profit & loss?* Your Business. Retrieved August 24, 2022, from <https://yourbusiness.azcentral.com/inventory-affect-profit-loss-9368.html>