

Commodity Shelf Life System

Background:

Imagine walking into a store and buying an expired product. Today because people are either too tired or in a rush to buy items, they do not get time to actually look at the expiry dates of the items they are buying. On the other side, store owners have no control over this problem because they have no record of when their goods expire. Due to the competition in the market, this continuous problem affects the business in such a way that it loses customers and makes losses. What if we created a way for store owners to manage such circumstances.

Goal:

The goal of the project is to provide the business a solution to be able to have full control over their commodities shelf life, so that they can take proper actions before discarding the products or selling an expired product. This approach increases their customer loyalty and could also increase profits in the long run.

Functionalities:

- The system should notify the user how much stock is left to help in restocking.
- The system should notify the user how much time is left to expiry date in intervals according to the shelf life.
- The system should compute the shelf life of all commodities.
- The system should decrement the stock when a product is sold.
- The user should be able to input quantity, expiry date, manufacturing date, brand, product bar code and arrival date of the stock.
- The system should distinguish the same product according to their expiry date.

Roles: Product owners

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