

: המידע הקודם שהגדרנו למערכת הוא  
קטגוריות 6:

- 1) Dairy
- 2) Dairy/Milk
- 3) Dairy/Milk/1.5L
- 4) Bathroom Products
- 5) Bathroom Products/Shampoo
- 6) Bathroom Products/Shampoo/250ml

### שני מוצרים:

Product ID: 1	Product ID: 2
Name: Milk3%	Name: Shampoo 250ml
Expired Items amount=3	Expired Items amount=0
Damaged Items amount=0	Damaged Items amount=0
Store amount=0	Store amount=0
Storage amount=0	Storage amount=0
Min Amount =3	Min Amount =3
No discount	Active discount
Selling Price=7	Selling Price=15
Sale Price=7 // no discount	Sale Price=13 // Active
Manufacture Price=5;	discount
Shelf Number:1;	Manufacture Price=10;
Manufacturer "Tnuva"	Shelf Number:2;
category Dairy	Manufacturer "Pinuk"
	category Bathroom Products

### שתי הנחות:

Discount ID:1;	Discount ID:2;
Product 1//Milk3%;	Product 2//Shampoo250ml;
This discount needs to finish	This discount is still active

#### first Step:

As a user, you have been presented with a main menu containing six options, numbered 0 through 5. If you wish to begin managing products, please enter 1. If you wish to begin managing categories, please enter 2. If you wish to begin managing reports, please enter 3. If you wish to begin managing discounts, please enter 4. If you wish to begin managing items, please enter 5. Please input the corresponding option number. If you wish to exit the menu, please press 0. It is important to note that any input other than a valid option number or 0 will be considered invalid and require you to select a valid option number again. Thank you for your attention to this matter.

#### **First Option (Products):**

As a user, you have been presented with a Products menu containing seven options, numbered 0 through 7. If you wish to add a product, please enter 1. If you wish to change a product price, please enter 2. If you wish to change a product name, please enter 3. If you wish to change a product minimum amount, please enter 4. If you wish to change a product category, please enter 5. If you wish to get information about all products, please enter 6, if you wish to get information about a specific product , enter the number 7. Please input the corresponding option number. If you wish to exit the menu, please press 0. It is important to note that any input other than a valid option number or 0 will be considered invalid and require you to select a valid option number again. Thank you for your attention to this matter.

#### **Second Option (Categories):**

As a user, you have been presented with a Categories menu containing six options, numbered 0 through 6. If you wish to add a category, please enter 1. If you wish to delete a category, please enter 2. If you wish to add a subcategory, please enter 3. If you wish to add a father category please enter 4. If you wish to change the category name, please enter 5. If you wish to return all categories , enter the number 6. Please input the corresponding option number. If you wish to exit the menu, please press 0. It is important to note that any input other than a valid option number or 0 will be considered invalid and require you to select a valid option number again. Thank you for your attention to this matter.

#### **Third Option (Reports):**

As a user, you have been presented with a Reports menu containing eleven options, numbered 0 through 5. If you wish to generate a report of defective items, please enter 1. If you wish to generate a report of stock, please enter 2. If you wish to generate a report of damaged items, please enter 3. If you wish to generate a report of expired items, please enter 4. If you wish to generate a report of minimum stock levels, please enter 5. If you wish to exit the menu, please press 0. Please note that any input other than a valid option number or 0 will be considered invalid and require you to select a valid option number again. Thank you for your attention to this matter.

#### **Fourth Option (Discounts):**

As a user, you have been presented with a Discount menu containing three options, numbered 0 through 4. If you wish to add a product discount, please enter 1. If you wish to add a category discount, please enter 2. If you want to see all category discount , enter number 3. If you want to see all products discounts. Enter number 4. If you wish to exit the menu, please press 0. Please note that any input other than a valid option number or 0 will be considered invalid and require you to select a valid option number again. Thank you for your attention to this matter.

#### **Fifth Option (Items):**

As a user, you have been presented with an Item menu containing five options, numbered 0 through 4. If you wish to add a storage item, please enter 1. If you wish to add a store item, please enter 2. If you wish to add a defective item from store, please enter 3. If you wish to add a defective item from storage, please enter 4. If you wish to exit the menu, please press 0. Please note that any input other than a valid option number or 0 will be

considered invalid and require you to select a valid option number again. Thank you for your attention to this matter.

**Assumptions :**

- 1)It has been assumed that the minimum stock level is determined by the logistic manager.
- 2)It has been assumed that at the beginning of each day, a store will be selected and all finished discounts and expired items will be checked.
- 3)It has been assumed that when adding a new category with no father category, the father category will be designated with the number zero to represent null.
- 4) It has been assumed that sales will be prioritized based on the closest product to its expiration date.
- 5) It had been assumed that when an item expires or get damaged from the store or storage it will be added to the expired or damaged amount and removed from the store or storage amount.