

- **System Overview**

The Ice Cream Shop system, must allow the registration of employees, these employees must have the date of admission in their registration, and hold a position such as: ice cream, manager, cashier, supervisor, clerk and etc. In which of these not everyone needs to have access to the system.

- **TO THOSE WHO HAVE ACCESS TO THE SYSTEM WILL HAVE LEVELS OF PERMISSION:**

The **Admin** will have general access to the system, and only he will cancel a sale, also only he will be able to access the administrative part of employees, company and positions of the company to which he belongs, only he will be able to register, read, edit, deactivate and reactivate them.

The **Supervisor** will have access to the system, and will be able to access the administrative part of products and their stock, of the product categories, units of measure, only he will be able to register, edit and deactivate and reactivate them except the inventory register, which may also be made by the Stockist.

The **Stockist** will have access, but will only be able to read the lists of products, categories and units of measure, will also be able to update the new stock that enters the company.

The **Seller** will have access only to be able to view, register orders, make sales, he will also be able to access payments and the list of installments that are to be received.

If the company does not have a financial sector, it can already signal that all payments are received automatically, through a flag in the company's registration. Only **SuperAdmin** can register, deactivate and reactivate a new company, and only it has general access to the system the all registered companies, SuperAdmin should be the administrator access to the Ice Cream System and it is not recommended that anyone else has this level permission.

### • THE SALES:

A sale will have the status of: PENDING, this being the initial status of any sale, it may have the status of FINISHED, this being the status updated to the sale after the payment of the sale has been registered, a sale may still have the status of CANCELED if the customer gives up on the purchase, or the status of EXPIRED, if the sale is not completed, the system itself is the one that changes the status of a sale to expired if it is not completed, the system periodically checks the sales created more than 30 min and expires them.

### • THE PRODUCTS:

The system should also allow the registration of products to be sold, they must have categories such as: simple ice cream, special ice cream or others, unit of measure. Every product must also have cost prices and the prices at which they will be sold, a minimum quantity must be informed in the stock, if it can be sold being negative in the stock and a description, which is not mandatory.

When inserting a new product in stock, you must inform the number of products, fabrication date, expiration date and the batch of this product.

### • THE REPORTS

The system should also have reports that will help in the management of the ice cream shop. These which:

- Sales:

**Unfinished Sales Report:** shows all sales within a certain period that have not been finalized, being expired and canceled.

**Finalized Sales Report:** shows all finalized sales that occurred within a certain period.

**Canceled Sales Report:** shows all canceled sales that occurred within a certain period.

- Employees

**Active Employees Report:** shows all employees who are currently active in the company.

**Inactive Employees Report:** shows all employees who are currently inactive in the company.

- Inventory

**Low Stock Report:** shows the products that are currently low in stock.

**Recent Inventory Report:** shows all products that have updated stock this week.

**Current Inventory Report:** shows the current inventory of all products.

**Product report close to expiration:** shows the products that will expire within a month.

- Payment

**Late Payment Report:** shows payments that are overdue, that is, are not marked as received.

**Payments receivable report:** shows all payments that are due to be received within a certain period.

**Refunded Payment Reports:** shows all refunds within a certain period.

**Payments received report:** shows all payments received within a certain period.

## User stories

Owner / Manager			
<b>Employee Registration</b>  As Owner, <b>I want</b> to be able to register all employees of the ice cream shop. <b>To</b> have all their information.	<b>Acceptance Criteria</b>  The name, date of birth and date of admission, the zip code, at least one telephone number, the position and salary of the employee, and percentage of commission should be informed, this percentage being general for the position and not mandatory. The zip code should search for the street, neighborhood, city and state. If zip code is unable to locate the address, the address must be entered manually The number and add-on fields must be registered manually, but the add-on is not mandatory.	<b>Discounts</b>  As Owner <b>I want</b> to be able to give a discount on a sale. <b>To</b> be able to offer discounts to customers.	<b>Acceptance Criteria</b>  The system should allow giving a percentage discount when registering a sale. This discount can only be according to the total allowed for employees' position.
	<b>Acceptance Criteria</b>  When registering the product, its name, the cost price and the selling price, a non-mandatory description, and the minimum stock quantity, must also be informed, a category, and its registration date, which will be registered automatically. There cannot be two categories with	<b>Sales Report</b>  As Owner, <b>I want</b> to be able to have a report of sales made, <b>To</b> know how sales my company have.	<b>Acceptance Criteria</b>  The system must have recorded all sales made, this record must contain its identifier code, the sale value, and whoever made this sale and also the date of the sale that will be recorded automatically and their status.
<b>Product Registration</b>  As Owner. <b>I want</b> to be able to register all the products of the ice cream shop. <b>To</b> find out what products I offer.			

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identical names in the same company. Products within the same category may have different prices			
<b>Inventory Report</b>  As Owner, <b>I want</b> to be able to have an inventory control, <b>To</b> know how many products I have available and which ones I need to replace	<b>Acceptance Criteria</b>  The system should bring a report with all the items registered and their respective quantity available in the system. The user will be able to search for a specific product name	<b>Payment methods</b>  As Owner, <b>I want</b> to register payment methods. <b>To</b> give my clients options.	<b>Acceptance Criteria</b>  Credit or debit cards must be previously registered with their due fees. The system should allow a sale to be paid in cash, debit or credit card.
<b>Merchandise Outbound</b>  As Owner, <b>I want</b> the stock level to be updated automatically. <b>To</b> update my stock.	<b>Acceptance Criteria</b>  The system should allow stock levels to be updated periodically.	<b>Goods Receipt</b>  As Owner, <b>I want</b> to be able to insert products in stock. <b>To</b> update my stock.	<b>Acceptance Criteria</b>  When inserting the products in stock, the name, a manufacturing date and expiration date and a batch and the quantity of product being inserted must be informed.
<b>Product Expiration</b>  As Owner, <b>I want</b> to have a report with all products close to expiration. <b>To</b> offer promotions	<b>Acceptance Criteria.</b>  The report should bring all products with an expiration date to expire in up to one month.	<b>Cancellation Control</b>  As a Manager, <b>I want</b> to have a product cancellation control on orders, for more security.	<b>Acceptance Criteria</b>  A sale can only be canceled after a management or supervision login.  After a sale is canceled, this sale must be assigned a status of CANCELED and your payments refunded.
<b>Seller</b>			
<b>Product Quantity</b>  As a Seller <b>I want</b> to be able to add more of the same item, <b>to</b> a purchase, to have more agility	<b>Acceptance Criteria</b>  The system should allow adding of a product quantity when registering it at the sale. The system should allow a product to be excluded from	<b>Sales Record</b>  As Owner or Seller, <b>I want</b> to record all sales made. <b>To</b> know all the sales made.	<b>Acceptance Criteria</b>  When starting a sale the Seller must inform which product, and its quantity. A sale should allow the sale of more than one product in the same or another category

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<p>the sale and have the quantity changed even after it has already been added to the order.</p>	<p>The system should automatically add the values of the registered products multiplied by the quantity. A sale must start with PENDING status. When the payment is made, the system should assign the status of FINISHED.</p>
<p><b>Recovery Sale</b></p> <p>As a Seller, I <b>want</b> to be able to recovery a sale, that not be finished before.</p> <p><b>Acceptance Criteria</b></p> <p>The system should list all sales, and should show the status, to seller can finished a pending sale.</p>	<p><b>Acceptance Criteria</b></p> <p><b>Remove items</b></p> <p>As a Seller, I <b>want</b> to be able to remove a item in purchase, when I placed a wrong item in purchase.</p> <p>The system should allow a product to be removed after placing a purchase, in the event that a seller misses the item or a customer cancels the item. The total amount must be recalculated.</p>
<b>Customer</b>	
<p><b>Cancel purchase</b></p> <p>As a customer I <b>want</b> to be able to give up a purchase and get back my cash or credit.</p> <p><b>Acceptance Criteria</b></p> <p>In the event that the sale is made by cardboard, the sale must be reversed. If the sale is made in cash the cash must be returned</p> <p>The sale will receive a CANCELLED status.</p>	