Ice Cream Inventory Management

**Use Case Specification Document**

**UC06 - Display Inventory, Trucks, Routes, Sales Per Truck and Route**

**Version 1.2**

Revision History

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| --- | --- | --- | --- |
| Version | Date | Author | Description |
| 1.0 | 3/10/16 | Brandon Manni | Creation of Use Case Specification Document. |
| 1.1 | 3/13/16 | Brandon Manni | Added to each section. |
| 1.1.1 | 3/13/16 | Brandon Manni | Signed and reviewed. |
| 1.2 | 4/20/16 | Brandon Manni | Added new Swimlane. Signed and reviewed. |
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Table of Contents

1. Introduction 4
2. Use Case Information 4
   1. Actors 4
   2. Use Case Interaction 4
3. Trigger 4
4. Pre-Conditions 4
5. Post-Conditions 4
6. Use Case Swimlane (Activity Diagram) 5
7. Main Flows of Events (Happy Path) 5-6
8. Alternate/Exception Flow of Events 6
9. Assumption/Business Rules 6
10. Review and Signoff 6
11. **Introduction**

**The Display Inventory, Trucks, Routes, Sales Per Truck and Route use case allows the user to display the data in the system. The purpose is to be able to see current inventory, costs, products, and all other data in the database.**

1. **Use Case Information**
   1. **Actors**

|  |  |  |
| --- | --- | --- |
| ****Actor**** | ****Role**** | ****Description**** |
| **User** | **Primary** | **Will select an option to display.** |
| **System** | **Secondary** | **Will access database and display data.** |

* 1. **Use Case Interaction**

**Predecessor Use Cases:**

**Data File Processing**

1. **Triggers**

**The Display use case is triggered within the program. The user can select an item to display and depending on what the item is, the system will access different databases and retrieve the data selected by the user.**

1. **Pre-Conditions**

**User must select a valid option.**

**Database must contain the data for the option the user picks.**

1. **Post-Conditions**

**Data selected will be displayed on the screen.**

1. **Use Case Swimlane/Activity Diagram**



1. **Main Flows of Events/Happy Diagram**
   1. **– User selects option to display.**

**1.2.1 – Option is to display Ice Cream.**

**1.3.1 – System retrieves data from Ice Cream database.**

**1.3.2 – System displays list of Ice Cream types.**

**1.2.2 – Option is to display trucks.**

**1.4.1 – System retrieves data from Ice Cream Truck database.**

**1.4.2 – System displays list of Ice Cream Trucks.**

**1.2.3 – Option is to display Routes.**

**1.5.1 – System retrieves data from Routes database.**

**1.5.1 – System displays list of Routes.**

**1.2.4 – Option is to display Sales per Truck.**

**1.6.1 – System retrieves data from Sales database.**

**1.6.2 – System displays sales records per Truck.**

**1.2.5 – Option is to display Sales per Route.**

**1.7.1 – System retrieves data from Sales database.**

**1.7.2 – System displays sales records per Route.**

1. **Exception Flow**
   1. **– User selects option to display.**

**1.2.1 – Option is not to display Ice Cream.**

**1.2.2 – Option is not to display Trucks.**

**1.2.3 – Option is not to display Routes.**

**1.2.4 – Option is not to display Sales per Truck.**

**1.2.5 – Option is not to display Sales per Route.**

**1.8 – Display Error.**

1. **Business Rules/Assumptions (Non-Functional Requirements)**
2. **Must be able to access local database.**
3. **Must have an internet connection.**
4. **System must have access to said connection (Firewall, Anti-Virus, etc).**
5. **Review and Signoff**

|  |  |  |  |
| --- | --- | --- | --- |
| ****Name**** | ****Role**** | ****Electronic Signature**** | ****Date**** |
| ****Brandon Manni**** | **Design/Functionality** | **Brandon Manni** | **4/20/16** |
| ****Spencer Vierk**** | **Programmer** | **Spencer Vierk** | **4/20/16** |