Ice Cream Manager [ICM]

Use Case Specification Document

Use Case 02

View Sales

Version No. v0.2

Project Document Revision History

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| --- | --- | --- | --- |
| Version | Date | Revision Author | Description of Revision |
| 0.1 | 2016-2-26 | Fan Zhang | Initial content generation. |
| 0.2 | 2016-3-06 | Fan Zhang | Make multiple changes and corrections |
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# 1.0 Introduction

The purpose of view sales is to allow manager view the daily sales and weekly sales on different truck, route and drivers. This use case will cover three functionalities in same pattern:

* Sales per Truck (day/week)
* Sales per Route (day/week)
* Sales per Driver (day/week)

Manager can make some adjustments on item inventory and type of ice cream in the truck according to the sales amount.

# 2.0 Use Case Information

## 2.1 Actors

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| --- | --- | --- |
| Actor Name | Role | Description |
| Manager | Main | The employee who monitors and runs the software in company |
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## 2.2 Use Case Interaction

This use case has no predecessors, but it has a few successor.

* Predecessor
* Successor
  + UC-01 Modify inventory
  + UC-03 Modify route
  + UC-04 Modify Truck
  + UC-07 Modify Driver

# 3.0 Trigger

|  |  |
| --- | --- |
| **Functionality** | **Trigger** |
| Sales per truck | At end of day or weekend, the truck need to be refilled with items. |
| Sales per route | At end of day or weekend, all trucks run in that route need to be refilled |
| Sales per driver | At end of day or weekend, the trucks run by same driver need to be refilled with items |

# 4.0 Pre-condition(s)

## 4.1 Sales per truck

Pre-condition: The truck must have some high quality ice cream to sell in refrigerator when it leaves the inventory.

## 4.2 Sales per route

Pre-condition: The truck must have some high quality ice cream to sell in refrigerator when it leaves the inventory.

## 4.3 Sales per driver

Pre-condition: The truck must have some high quality ice cream to sell in refrigerator when it leaves the inventory.

# 5.0 Post-condition(s)

## 5.1 Sales per truck

Post-condition: The truck will refill the inventory to regular level for next day’s selling.

## 5.2 Sales per route

Post-condition: The truck will refill the inventory to regular level for next day’s selling.

## 5.3 Sales per driver

Post-condition: The truck will refill the inventory to regular level for next day’s selling.

# 6.0 Use Case Activity Diagram

# 7.0 Main/Basic Flow(s) of Events

## 7.1 Sales per truck

1. Check the current truck inventory level
2. If doesn’t reach the regular level for one day selling, refill to regular level
3. Make a record of current inventory level before leave the inventory house.
4. Selling ice cream to customer and make a record for each item
5. At end of day, when back to inventory house, calculate the difference of amounts of ice cream between now and early day.
6. Make a record of sales amount for this truck.
7. Manager double check with the selling receipts and put record into system.

## 7.2 Sales per route

1. Check the current truck inventory level
2. If doesn’t reach the regular level for one day selling, refill to regular level
3. Make a record of current inventory level before leave the inventory house.
4. Selling ice cream to customer and make a record for each item
5. At end of day, when back to inventory house, calculate the difference of amounts of ice cream between now and early day.
6. Make a record of sales amount for all trucks run in the same route
7. Manager double check with the selling receipts and put record into system.

## 7.3 Sales per driver

1. Check the current truck inventory level
2. If doesn’t reach the regular level for one day selling, refill to regular level
3. Make a record of current inventory level before leave the inventory house.
4. Selling ice cream to customer and make a record for each item
5. At end of day, when back to inventory house, calculate the difference of amounts of ice cream between now and early day.
6. Make a record of sales amount for all trucks run in the same driver
7. Manager double check with the selling receipts and put record into system.

# 8.0 Alternate/Exception Flow of Events

## 8.1 Inventory house supply shortage

1. Check the current truck inventory level
2. If doesn’t reach the regular level for one day selling, refill to regular level
3. If inventory house also has a shortage amount of certain type of ice cream
4. Replace that certain type of ice cream by other ice cream which inventory house has high level stored amount.
5. Manager makes a record of that demanded type of ice cream, and contact the supply company.
6. Purchase amount depends on number of trucks has shortage of that certain type ice cream and ice cream’ price.

# 9.0 Assumptions/Business Rules including Non-Functional Requirements

None.

# 10.0 Use Case Specification Review and Signoff

Review and Signoff of the Use Case Specification

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| --- | --- | --- | --- |
| Name | Project Team Role | Signature | Date |
| Camille Williams | Project Manager |  |  |
| Marc King | Team Lead |  |  |
|  |  |  |  |