Ice Cream Manager [ICM]

Use Case Specification Document

Use Case ID: UC07

Modify Truck

Version No. v0.2

Project Document Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Date | Revision Author | Description of Revision |
| 0.1 | 2016-2-20 | Marc King | Initial content generation. |
| 0.2 | 2016-3-6 | Jacob Vacheresse | Added sections 1, 2, 3, 4, 5, 6, 7, 8. |

Table of Contents

[1.0 Introduction 4](#_Toc445049445)

[2.0 Use Case Information 4](#_Toc445049446)

[2.1 Actors 4](#_Toc445049447)

[2.2 Use Case Interaction 4](#_Toc445049448)

[3.0 Trigger 4](#_Toc445049449)

[4.0 Pre-condition(s) 4](#_Toc445049450)

[4.1 Software Execution 4](#_Toc445049451)

[4.2 Batch File Processed 4](#_Toc445049452)

[5.0 Post-condition(s) 4](#_Toc445049453)

[5.1 Inventory Modified 4](#_Toc445049454)

[5.2 Driver Modified 5](#_Toc445049455)

[5.3 Route Modified 5](#_Toc445049456)

[5.4 Fuel Level Modified 5](#_Toc445049457)

[5.2 Fuel Usage Modified 5](#_Toc445049458)

[6.0 Use Case Activity Diagram 5](#_Toc445049459)

[7.0 Main/Basic Flow(s) of Events 6](#_Toc445049460)

[7.1 Edit Truck Properties 6](#_Toc445049461)

[8.0 Alternate/Exception Flow of Events 6](#_Toc445049462)

[8.1 Exit 6](#_Toc445049463)

[9.0 Assumptions/Business Rules including Non-Functional Requirements 6](#_Toc445049464)

[10.0 Use Case Specification Review and Signoff 7](#_Toc445049465)

**Table of Figures**

[Figure 1: Use Case Activity Diagram 5](#_Toc445050028)

# 1.0 Introduction

This use case allows the user to view each trucks inventory, fuel level, assigned driver and assigned route. It also allows the user to edit the assigned driver, inventory, assigned route, fuel level and fuel usage for each truck.

# 2.0 Use Case Information

## 2.1 Actors

|  |  |  |
| --- | --- | --- |
| Actor Name | Role | Description |
| Manager | Main | The ice cream company manager. |

## 2.2 Use Case Interaction

* Predecessor
  + UC05 Process batch file
* Successors
  + UC01 Modify Inventory
  + UC02 View Sales
  + UC03 Modify Route
  + UC07 Modify Driver
  + UC11 View Fuel Usage

# 3.0 Trigger

Modify Truck is triggered when the user selects to view trucks in the menu.

# 4.0 Pre-condition(s)

## 4.1 Software Execution

The software must be running and in the menu screen to access trucks.

## 4.2 Batch File Processed

The batch file must be processed before the user selects to view trucks. This pre-condition sets the initial inventory, driver, route and optionally fuel level and consumption

# 5.0 Post-condition(s)

## 5.1 Inventory Modified

Truck inventory levels may be changed.

## 5.2 Driver Modified

Drivers may be assigned to new trucks.

## 5.3 Route Modified

Trucks may be assigned to no route or different routes.

## 5.4 Fuel Level Modified

Truck fuel levels may be changed.

## 5.2 Fuel Usage Modified

Truck fuel usage value may be changed.

# 6.0 Use Case Activity Diagram



Figure 1: Use Case Activity Diagram

# 7.0 Main/Basic Flow(s) of Events

## 7.1 Edit Truck Properties

The truck list is displayed with the option to select a truck or exit. A truck is selected and properties and inventory are displayed. The user is able to edit the driver, route, fuel level, fuel consumption and inventory. Then the view goes back to view trucks.

# 8.0 Alternate/Exception Flow of Events

## 8.1 Exit

The truck list is displayed with the option to select a truck or exit. The user selects to exit and the main menu opens.

# 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

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