Ice Cream Manager [ICM]

Use Case Specification Document

UC11

View Fuel Usage

Version No. v0.1

Project Document Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Date | Revision Author | Description of Revision |
| 0.1 | 2016-3-6 | Jacob | Initial content generation. |

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# 1.0 Introduction

This use case displays fuel usage data. It allows the user to view data by truck or route. It displays a list of trucks and routes that the user can use to select individual trucks and routes to view fuel data for. The fuel usage data can be displayed by day or week in table format.

# 2.0 Use Case Information

## 2.1 Actors

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

## 2.2 Use Case Interaction

* Predecessors
  + UC05 Process Batch File
  + UC07 Modify Truck
  + UC03 Modify Route
* Successors
  + None: this use case only displays information.

# 3.0 Trigger

This use case initiates when the user selects fuel usage from the main menu.

# 4.0 Pre-condition(s)

## 4.1 Batch File Processed

The batch file must be processed if the user has fuel data in the files.

# 5.0 Post-condition(s)

What are ALL the possible output states upon completion of the use case flows?

## 5.1 Fuel Data is Displayed

Fuel data has been displayed and user is given the option to check more fuel data.

## 5.2 Main Menu

User is taken to the main menu.

# 6.0 Use Case Activity Diagram



Figure 1: Activity Diagram

# 7.0 Main/Basic Flow(s) of Events

## 7.1 View Truck Data

1. View truck data is selected.
2. An individual truck is selected.
3. User selects to display by day or week.
4. Data is displayed in a table.
5. User exits or selects truck or route data.

## 7.2 View Route Data

1. View route data is selected.
2. A specific route is selected.
3. User selects to display by day or week.
4. Data is displayed in a table.
5. User exits or selects truck or route data.

# 8.0 Alternate/Exception Flow of Events

## 8.1 Exit

User selects exit from route or truck select and goes to menu.

# 9.0 Assumptions/Business Rules including Non-Functional Requirements

User is notified if a truck doesn’t have data.

# 10.0 Use Case Specification Review and Signoff

|  |  |  |  |
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