# Ice Cream Manager [ICM]

*USE CASE SPECIFICATION DOCUMENT*

*UC11*
## View Fuel Usage
Version No. v1.0

# Project Document Revision History

| VERSION | DATE | REVISION AUTHOR | DESCRIPTION OF REVISION |
|---|---|---|---|
| 0.1 | 2016-3-6 | Jacob Vacheresse | Initial content generation. |
| 0.2 | 2016-3-12 | Jacob Vacheresse | Updated Sections 2, 6 and 7. |
| 0.3 | 2016-3-15 | Marc King | Style and formatting pass, updated actor list to match UCSD |
| 1.0 | 2016-3-17 | Cosmosys Team | Baselined. |

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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 manager of the ice cream truck company. |
| View | Secondary | The software process that manages the display of information. |

## 2.2 Use Case Interaction

- Predecessors
    - o UC05 Process Batch File
    - o UC07 Modify Truck
    - o UC03 Modify Route
- Successors
    - o 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)

## 5.1 Fuel Data is Displayed

Fuel data has been displayed and user is given the option to check more fuel data.
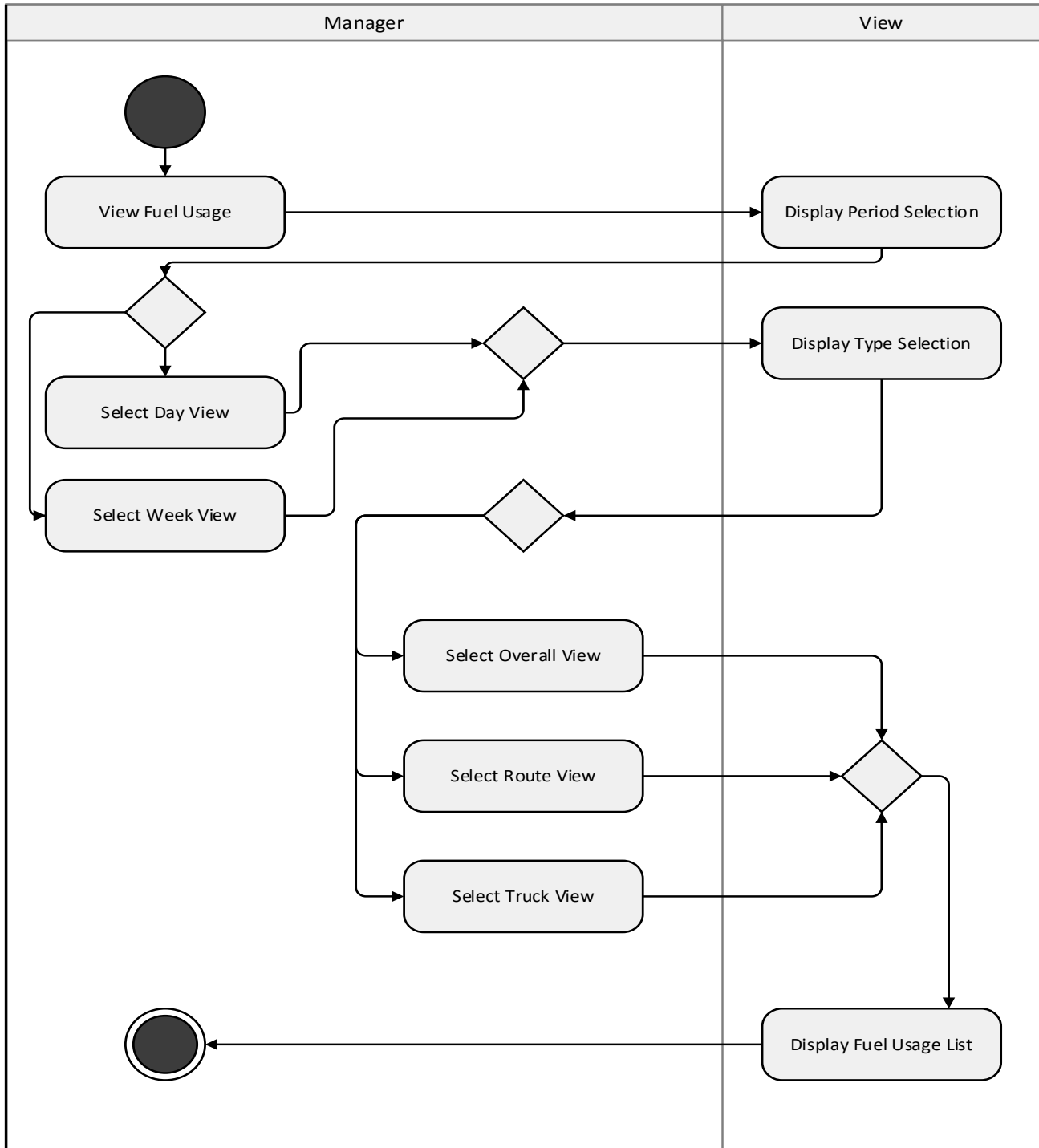
# 6.0 Use Case Activity Diagram



*Diagram 1: Use Case Activity Diagram*

# 7.0 Main/Basic Flow(s) of Events

## 7.1 View Daily Data

1. User selects Fuel Usage and view displays day or week selection.
2. User selects Day view and view displays overall, route, and truck selection.
3. User selects overall, route or truck.
4. View displays data.
5. User Exits.

## 7.2 View Weekly Data

1. User selects Fuel Usage and view displays day or week selection.
2. User selects Weekly view and view displays overall, route, and truck selection.
3. User selects overall, route or truck.
4. View displays data.
5. User Exits.

# 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. Fuel data must be displayed in 1 second.

## 10.0 Use Case Specification Review and Signoff

| NAME | PROJECT TEAM ROLE | SIGNATURE | DATE |
|------|-------------------|-----------|------|
| **Marc King** | Team Lead | | 2016-03-17 |
| **Rodney Lewis** | Developer | *Rodney Lewis* | 2016-03-17 |
| **Jacob Vacheresse** | Developer | | 2016-03-17 |