



Ice Cream Manager ^[ICM]

USE CASE SPECIFICATION DOCUMENT

UC07

Modify Truck

Version No. v1.0

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.
0.3	2016-3-12	Jacob Vacheresse	Updated Sections 2, 6, 7 and 9.
0.4	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 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	Secondary	The manager of the ice cream truck company.
Modifier	Main	The role the manager or the control actor can take on when modifying business entities.
Control	Secondary	The software process that manages modifications to data.
View	Secondary	The software process that manages the display of information.

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

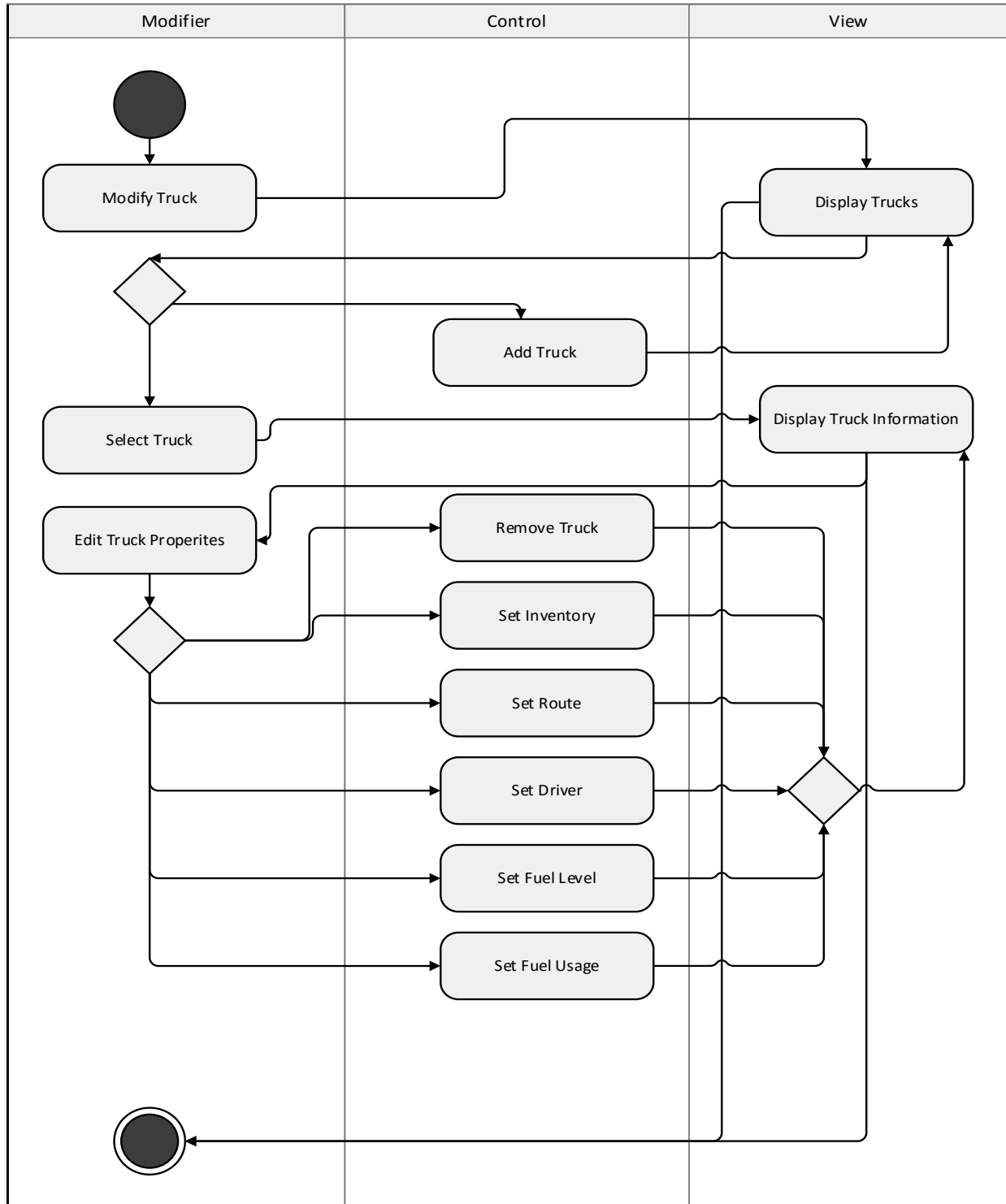


Diagram 1: Use Case Activity Diagram

7.0 Main/Basic Flow(s) of Events

7.1 Edit Truck Properties

The truck list is displayed by View with the option to select or add a truck. A truck is selected and properties and inventory are displayed by View. The user is able to edit the driver, route, fuel level, fuel consumption and inventory. Control changes these values. Then the view displays the truck information. User can exit.

8.0 Alternate/Exception Flow of Events

8.1 Add Truck

The truck list is displayed by View with the option to select or add a truck. User selects to add a new truck, control creates a new truck and view displays it in the list of trucks. User is then able to edit the new trucks properties.

8.2 Delete Truck

The truck list is displayed by View with the option to select or add a truck. User selects a truck to delete and view displays an option to delete the truck. User selects to delete and control deletes the truck. View displays the list of trucks.

9.0 Assumptions/Business Rules including Non-Functional Requirements

9.1 Response time

Each system process should be done within 1 second.

10.0 Use Case Specification Review and Signoff

Review and Signoff of the Use Case Specification

NAME	PROJECT TEAM ROLE	SIGNATURE	DATE
Marc King	Team Lead		2016-03-17
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