



# Ice Cream Manager <sup>[ICM]</sup>

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## *USE CASE SPECIFICATION DOCUMENT*

***UC05***

## **Process Batch File**

Version No. v2.0

## Project Document Revision History

VERSION	DATE	REVISION AUTHOR	DESCRIPTION OF REVISION
0.1	2016-2-22	Marc King	Initial content generation.
0.2	2016-2-25	Marc King	Added introduction, actors, interactions, triggers, pre-conditions, and post-conditions.
0.3	2016-2-26	Marc King	Added main/basic flow of events, alternate/exception flow of events.
1.0	2016-3-2	Marc King	Baselined for pre-submission.
1.1	2016-3-7	Marc King	Revised activity diagram and actor list.
2.0	2016-3-17	Cosmosys Team	Baselined.

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## 1.0 Introduction

The purpose of this use case is to allow a user to modify the data stored within the system using one or more batch files. Everything that can be modified manually using the user interface can be modified using these batch files.

## 2.0 Use Case Information

### 2.1 Actors

ACTOR NAME	ROLE	DESCRIPTION
Manager	Main	The manager of the ice cream truck company.
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

A batch file is capable of making all modifications that the manager is capable of making. Because of this, all other use cases can be triggered by this use case. When another use case is triggered by this use case, they function normally except the manager actor is replaced by the batch process actor.

## 3.0 Trigger

This use case is triggered when the manager loads one or more batch files into the software product.

## 4.0 Pre-condition

### 4.1 File Existence

The batch file must exist before this use case can be initiated.

## 5.0 Post-conditions

### 5.1 Batch File Merged

If the batch file conforms to the expected format, it will be merged with the database used by the software.

## **5.2 Batch File Rejected**

If the batch file does not conform to the expected format in some way, it will not be merged with the database used by the software and the manager will be notified.

## **6.0 Use Case Activity Diagram**

See Diagram 1: Use Case Activity Diagram on page 6.

## **7.0 Main/Basic Flow of Events**

### **7.1 Merge Valid Batch File**

The manager loads a batch file from the computer's local file system. The processor analyzes the batch file for format conformance. After the batch file has been confirmed to conform to the required format, the data within the batch file is merged with the database used by the software product.

## **8.0 Alternate/Exception Flow of Events**

### **8.1 Notify User of Invalid Batch File**

If the batch file is found to not conform to the required format, the manager will be notified that the batch file is invalid. Attempts will be made to notify the manager of what is wrong with the batch file—if such information is possible—otherwise the manager will only be notified that the batch file is invalid.

## **9.0 Assumptions/Business Rules including Non-Functional Requirements**

- UC05-1. The manager is responsible for the creation or receiving of the batch files.
- UC05-2. Each batch file should be processed within 1 second, or provide a progress bar otherwise.

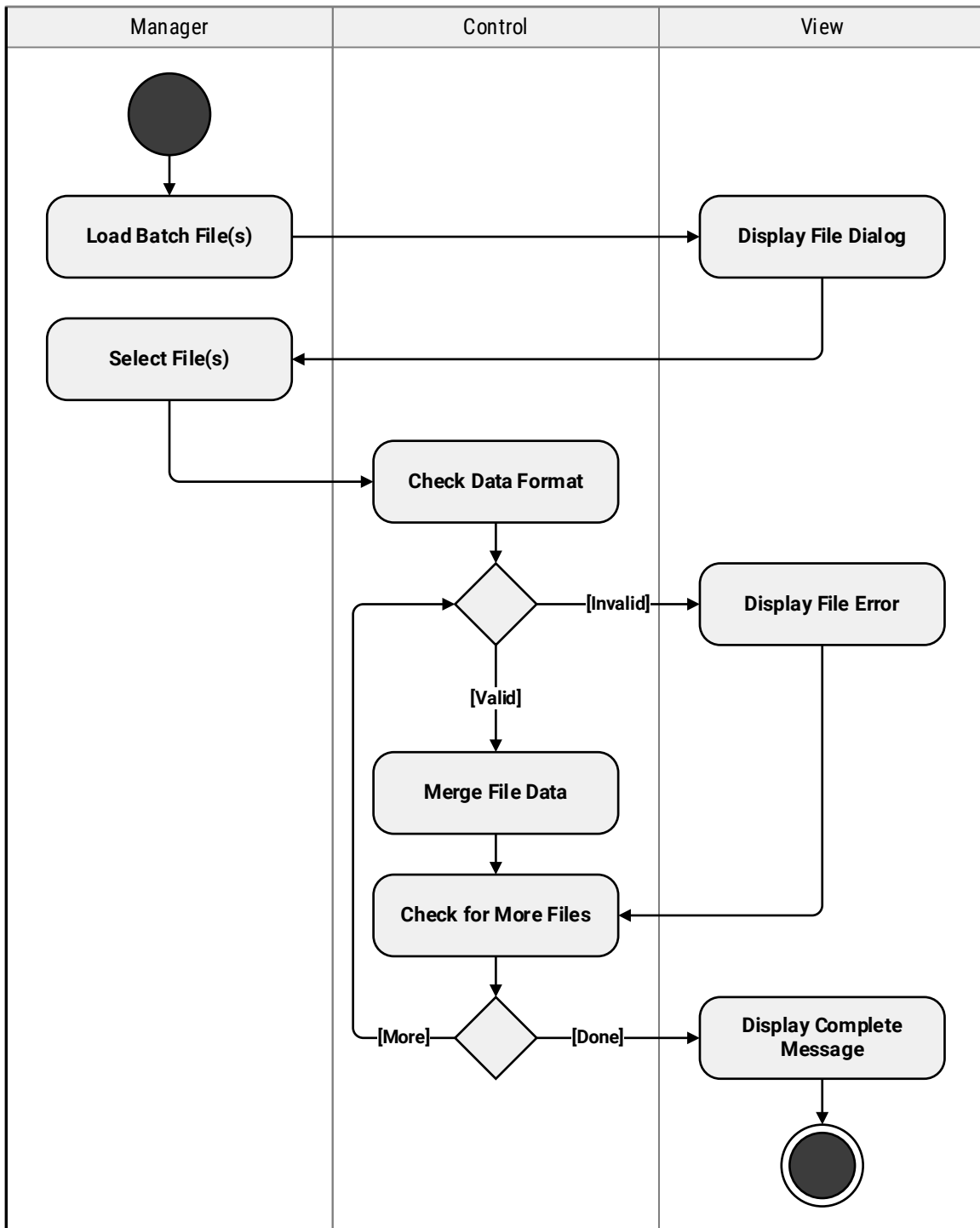


Diagram 1: Use Case Activity Diagram

## 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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