Ice Cream Manager [ICM]

Use Case Specification Document

UC05

Process Batch File

Version No. v1.0

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. |

Table of Contents

[1.0 Introduction 4](#_Toc444718266)

[2.0 Use Case Information 4](#_Toc444718267)

[2.1 Actors 4](#_Toc444718268)

[2.2 Use Case Interaction 4](#_Toc444718269)

[3.0 Trigger 4](#_Toc444718270)

[4.0 Pre-condition 4](#_Toc444718271)

[4.1 File Existence 4](#_Toc444718272)

[5.0 Post-conditions 4](#_Toc444718273)

[5.1 Batch File Merged 4](#_Toc444718274)

[5.2 Batch File Rejected 4](#_Toc444718275)

[6.0 Use Case Activity Diagram 5](#_Toc444718276)

[7.0 Main/Basic Flow of Events 6](#_Toc444718277)

[7.1 Process Valid Batch File 6](#_Toc444718278)

[8.0 Alternate/Exception Flow of Events 6](#_Toc444718279)

[8.1 Notify User of Invalid Batch File 6](#_Toc444718280)

[9.0 Assumptions/Business Rules including Non-Functional Requirements 6](#_Toc444718281)

[10.0 Use Case Specification Review and Signoff 7](#_Toc444718282)

Table of Figures

[Diagram 1: Use Case Activity Diagram 5](#_Toc444718283)

# 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 business. |
| Processor | Secondary | The system that merges the batch file with the database. |

## 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 expect 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



Diagram 1: Use Case Activity Diagram

# 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

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

# 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 |  |  |
|  |  |  |  |