Use Case and Activity Diagram Specifications

of the

Unloaded Shipping Container

Display Pages

Extension of Acme’s WMS System

Prepared for Acme Products, Inc.

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Prepared by Henry Landry

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# Introduction

# Purpose

This document is part of the requirements specifications proposal for an addition to Acmes’ WMS system. The extension is two additional web pages intended to display information about shipping containers that are unloaded at Acme locations. In general the data is about the container itself on the first page and details about how the contents are unloaded and stacked on the second page.

This portion of the requirements describe the operation of the new pages graphically. It describes the interaction between users of the new pages and the pages themselves.

# Intended Audience

The activities people will do on the new pages are presented here in non-technical form. The document can be read by almost any user of the system.

# References

More detailed specifications of the screens are written in the accompanying SRS Requirements document for the system: Landry-U28475331-CEN4031-SRS-1

# Use Case Diagram

# Purpose

This use case diagram describes how a user interacts with both of the new pages to be added to the system. The Unloaded Containers page lists all of the import containers received at a Acme location for a specified period of time. One of the containers on this page can be drilled into to see the Palletization Details page. The palletization details page lists useful information on how the goods unloaded were stacked on pallets.

Note: this diagram is written specifically for the Shipping Container reference type because that is the request from stake holders. It is written this way for clarity. However, any valid reference type may be used the same way on these pages – reference type is one of the criteria.

Detailed specifications about the look of the pages can be found in the SRS Document that accompanies this documents

# Use Case Diagram

Display 7 days of Unloaded Shipping Container Data

**Open** Fresh Unloaded Containers Web Page

Displayed page result of selected action

On Web Page,

Select Combinations of Days Back & Reference Types Criteria

**Click Load**

Actions available to the user role

User role – warehouse managers, operators, IT support

Display data according to criteria the user selected



Return to Unloaded Shipping Container Page with last used set of criteria

**Click Return** button on Palletization

Web Page

Open a new Palletization Web Page for that container

**Click on one row** in Unloaded Containers Web Page

# Combined Web App Interaction Model UML Activity Diagram

# Purpose

This use case diagram also describes how a user interacts with both of the new pages to be added to the system. This diagram represents all activities of the new subsystem in more detail than the Use Case Diagram. It is practical to combine all activities into one diagram for this system due to the repetitive flow and close relationship of the two pages. For example, the user opens the unloaded web page, selects criteria and displays the results. They may change criteria or drill into more detail on the palletization details for one container; these activities all flow together nicely into one diagram rather than separate ones. There is no swimlane diagram for the system because that is not useful for a single actor system.

Note: this diagram is written specifically for the Shipping Container reference type because that is the request from stake holders. It is written this way for clarity. However, any valid reference type may be used the same way on these pages – reference type is one of the criteria.

Detailed specifications about the look of the pages can be found in the SRS Document that accompanies this documents

# UML Activity Diagram

Unloaded Container page displays data by criteria

Select New Combination of Days Back & Ref Type Criteria

Click on a particular container row in the grid

User decides to change page search criteria

User decides to look at palletization data of one row

Click Refresh

Initial criteria are 7 days back and shipping container reference type

Palletization Web Page

Opens for the selected row

Palletization Web Page

Opens

Click Return

User decides to look at more containers

On return from Palletization Page previous criteria is reused

New criteria used on Unloaded Container Page

Done

Finished

Finished

Exit Browser

Refresh turns red and becomes Get New Data

Refresh button turns grey and displays ‘data loaded text’

Revision History

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| --- | --- | --- | --- |
| **Name** | **Date** | **Reason For Changes** | **Version** |
| Henry Landry | 3/11/15 | Initial version | 1.0.0 |
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