**Project Name: Central Inventory Management System**

**Customer: Happy Mats**

**Project Team: Thunders**

**Member 1: Mary Grace Rivero**

**Member 2: Peter Parungao**

Date: August 12, 2014

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Revision History

| **Version** | **Date** | **Revision Description** |
| --- | --- | --- |
| 1.0 | Aug. 12, 2014 | Initial Description |
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# Approvals

We have carefully assessed the Use Cases for this project. This document has been completed in accordance with the requirements of the System Development Methodology.

MANAGEMENT CERTIFICATION - Please check the appropriate statement.

\_\_\_\_\_\_ the document is accepted.

\_\_\_\_\_\_ the document is accepted pending the changes noted.

\_\_\_\_\_\_ the document is not accepted.

We fully accept the changes as needed improvements and authorize initiation of work to proceed. Based on our authority and judgment, the continued operation of this system is authorized.

(\*=Required \*\*= Submit for Review Approval Not Required)

Executive Sponsor\*\* DATE

Project Sponsor\* DATE

Quality Assurance Manager / Team Lead\* DATE

Business Analyst Manager / Team Lead\* DATE

Project Manager DATE

# Use Case List

|  |  |  |
| --- | --- | --- |
| **Use Case ID** | **Primary Actor** | **Use Cases** |
| UC-MS-001 | User | Inventory Viewing |
| UC-MS-002 | User | Inventory Report |
| UC-MS-003 | User | Adding Purchasing Records |
| UC-MS-004 | User | Viewing Purchasing Records |
| UC-MS-005 | User | Register Products Details |

1. Feature Name (Inventory Viewing)

Feature Process Flow / Use Case Model

Use Case(s)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Use Case ID:** | UC-MS-001 | | | |
| **Use Case Name:** | Inventory Viewing | | | |
| **Created By:** | Peter Parungao | | **Last Updated By:** |  |
| **Date Created:** |  | | **Last Revision Date:** |  |
| **Actors:** | | User | | |
| **Description:** | | User will have the ability to view details of specific Inventory | | |
| **Trigger:** | | User is required to check the status of a product | | |
| **Preconditions:** | | Product must be in ownership of the company  Product Code or Product Name for input is correct. | | |
| **Postconditions:** | | User is able to view the details of the Inventory  User is notified if the product is not available in the system | | |
| **Normal Flow:** | | 1. User provides product ID or Product Name 2. System checks if the product exists    1. If product does not exist, display a Notification. 3. System retrieves product details and display in an UI if the product exists | | |
| **Alternative Flows:** | |  | | |
| **Exceptions:** | | 1. When System Connection issue, the User is notified that the connection is unavailable. 2. Notification for errors if the user inputs a code outside the following rules:   Product Code  1. Must have at least 5 Alphanumeric keys  2. Must follow product category for the naming of product code.  3. Must not be null.  Product Name:  1. Must not contain numbers.  2. Must not be null. | | |
| **Includes:** | |  | | |
| **Frequency of Use:** | | 100 per day | | |
| **Special Requirements:** | | Product Code must follow the agreed product coding standards set by the Client | | |
| **Assumptions:** | | The Client/User understands English/Tagalog  The Client/User has basic Understanding of User Interfaces.  The Client/User has basic computer literacy | | |
| **Notes and Issues:** | |  | | |

1. Feature Name (Sales Report)

Feature Process Flow / Use Case Model

Use Case(s)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Use Case ID:** | UC-MS-002 | | | |
| **Use Case Name:** | Sales Report | | | |
| **Created By:** | Peter Parungao | | **Last Updated By:** |  |
| **Date Created:** |  | | **Last Revision Date:** |  |
| **Actors:** | | User | | |
| **Description:** | | Inventory Report | | |
| **Trigger:** | | User is in need to view the status of all products in the Inventory | | |
| **Preconditions:** | | Products exists in the Inventory  User has an application that can open CSV files | | |
| **Postconditions:** | | User will receive a CSV generated file containing the Report | | |
| **Normal Flow:** | | 1. User will activate the Report Button Function on the UI 2. User will then select the destination of the file 3. User will receive the CSV Generated File | | |
| **Alternative Flows:** | |  | | |
| **Exceptions:** | | No connection on the database  Sufficient disk space on the computer being used.  System Notification if the directory location is unavailable. | | |
| **Includes:** | |  | | |
| **Frequency of Use:** | | On demand | | |
| **Special Requirements:** | |  | | |
| **Assumptions:** | | Database is set up  User has basic Computer Literacy on using CSV files | | |
| **Notes and Issues:** | |  | | |

1. Feature Name (Adding Purchasing Records)

Feature Process Flow / Use Case Model

Use Case

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Use Case ID:** | UC-MS-003 | | | |
| **Use Case Name:** | Adding Purchasing Records | | | |
| **Created By:** | Mary Rivero | | **Last Updated By:** |  |
| **Date Created:** |  | | **Last Revision Date:** |  |
| **Actors:** | | User | | |
| **Description:** | | Adding Purchasing Records | | |
| **Trigger:** | | Purchase Order has been received | | |
| **Preconditions:** | | Product ID is valid in the System  Inventory is Low | | |
| **Postconditions:** | | User will receive notification that the Purchase has been successfully added in the System’  User will also get a notification if the details are input incorrectly. | | |
| **Normal Flow:** | | 1. User opens the form for adding purchasing order details 2. User input the necessary details for the purchasing order 3. User saves the work 4. System will save the details to the database 5. The Application will notify the user of the successful transaction | | |
| **Alternative Flows:** | |  | | |
| **Exceptions:** | | 1. No connection on the database 2. Sufficient database space on the computer being used. 3. Input details incorrect and does not con | | |
| **Includes:** | |  | | |
| **Frequency of Use:** | | On demand | | |
| **Special Requirements:** | |  | | |
| **Assumptions:** | | Database is set up  User has basic Computer Literacy on using User Interfaces | | |
| **Notes and Issues:** | |  | | |

1. Feature Name (Adding Purchasing Records)

Feature Process Flow / Use Case Model

Use Case

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Use Case ID:** | UC-MS-003 | | | |
| **Use Case Name:** | Adding Purchasing Records | | | |
| **Created By:** | Peter Parungao | | **Last Updated By:** |  |
| **Date Created:** |  | | **Last Revision Date:** |  |
| **Actors:** | | User | | |
| **Description:** | | User will have the ability to view details of specific Purchasing record | | |
| **Trigger:** | | User is required to check the status of a product | | |
| **Preconditions:** | | Purchase must be in ownership of the company  Purchase Code or Purchase Name for input is correct | | |
| **Postconditions:** | | User is able to view the details of the Purchase  User is notified if the Purchase is not available in the system | | |
| **Normal Flow:** | | 1. User provides Purchase ID or Purchase Name 2. System checks if the product exists 3. If Purchase does not exist, display a Notification. 4. System retrieves product details and display in an UI if the Purchase exists | | |
| **Alternative Flows:** | |  | | |
| **Exceptions:** | | 1. When System Connection issue, the User is notified that the connection is unavailable. | | |
| **Includes:** | |  | | |
| **Frequency of Use:** | | 100 per day | | |
| **Special Requirements:** | | Product Code must follow the agreed Purchase Identification coding standards set by the Client | | |
| **Assumptions:** | | The Client/User understands English/Tagalog  The Client/User has basic Understanding of User Interfaces.  The Client/User has basic computer literacy | | |
| **Notes and Issues:** | |  | | |

1. Feature Name (Register Products Details)

Feature Process Flow / Use Case Model

Use Case

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Use Case ID:** | UC-MS-003 | | | |
| **Use Case Name:** | Register Products Details | | | |
| **Created By:** | Mary Rivero | | **Last Updated By:** |  |
| **Date Created:** |  | | **Last Revision Date:** |  |
| **Actors:** | | Manager (Primary) | | |
| **Description:** | | Input product details | | |
| **Trigger:** | | 1. There is a new product that is not yet in the product list  2. Product list is empty. | | |
| **Preconditions:** | | 1. There is a product that has been faced out. | | |
| **Postconditions:** | | 1. System will contain product details. 2. Products will be updated. | | |
| **Normal Flow:** | | 1. Manager enters a valid product code 2. Manager enters a valid name of the product 3. Manager enters a valid price of the Product 4. Manager enters quantity of the product 5. Manager hits save button. 6. Manager views product details for checking. | | |
| **Alternative Flows:** | | 4a. In step 4 of the normal flow, if the customer is not in the bank network   1. System will prompt customer to accept network fee 2. Customer accepts 3. Use Case resumes on step 5   4b. In step 4 of the normal flow, if the customer is not in the bank network   1. System will prompt customer to accept network fee 2. Customer declines 3. Transaction is terminated 4. Use Case resumes on step 9 of normal flow | | |
| **Exceptions:** | | 1a. In step 1 of the normal flow, if the manager enters an invalid product code  A prompt message will appear saying, “Please input a valid product code”  System lets manager enter a valid product code.  Manager enters a valid product code.  Use Case resumes on step 2 of normal flow.  2a. In step 2 of the normal flow, if the manager enters an invalid product name.  A prompt message will appear saying, “Please input a valid product name”.  System lets manager enter a valid product name.  Manager enters a valid product name.  Use Case resumes on step 3 of normal flow.  3a. In step 2 of the normal flow, if the manager enters an invalid product price.  A prompt message will appear saying, “Please input a valid product price”.  System lets manager enter a valid product price.  Manager enters a valid product price.  Use Case resumes on step 4 of normal flow.  4a. In step 2 of the normal flow, if the manager enters an invalid product price.  A prompt message will appear saying, “Please input valid quantity”.  System lets manager enter a valid quantity.  Manager enters a valid quantity.  Use Case resumes on step 5 of normal flow.   1. Error notification if the User input does not follow the said rules:   Product Code  1. Must have at least 5 Alphanumeric keys  2. Must follow product category for the naming of product code.  3. Must not be null.  Product Name:  1. Must not contain numbers.  2. Must not be null.  Product Price  1. Must not contain letters  2. Must be a positive integer.  3. Must not be null.  Product Quantity  1. Must contain numbers only  2. Must be a positive integer.  3. Must be whole numbers.  4. Must not be null. | | |
| **Includes:** | | 1.3 Viewing of products | | |
| **Frequency of Use:** | | Twice a month: Start of the month and middle of the month. | | |
| **Special Requirements:** | |  | | |
| **Assumptions:** | | Products exist. | | |
| **Notes and Issues:** | | Product Code  1. Must have at least 5 Alphanumeric keys  2. Must follow product category for the naming of product code.  3. Must not be null.  Product Name:  1. Must not contain numbers.  2. Must not be null.  Product Price  1. Must not contain letters  2. Must be a positive integer.  3. Must not be null.  Product Quantity  1. Must contain numbers only  2. Must be a positive integer.  3. Must be whole numbers.  4. Must not be null. | | |

Use Case