**Web-based Ordering & Ingredient Estimating for Bakery Manufacturer**

Traceability Record

By

**Miss. Nontra Mahachanont 542115026**

**Mr. Parinya Panyanak 542115034**

Department of Software Engineering

College of Arts, Media and Technology

Chiang Mai University

Project Advisor

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Mr.Phudinan Singkhamfu**

**Document History**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Document Name** | **Version** | **Status** | **Date** | **Viewable** | **Reviewer** | **Responsible** |
| **Documents** | | | | | | |
| Web-based Ordering & Ingredient Estimating for Bakery Manufacturer – TR\_V.0.5.docx | V.0.5  - Add Chapter 1  - Add Chapter 2  - Add Chapter 3  - Fix inappropriate words | Draft | 08-05-2014 | NM, PP, PS | NM, PP | NM, PP |
| Web-based Ordering & Ingredient Estimating for Bakery Manufacturer – TR\_V.0.6.docx | V.0.6  - Adjust Chapter 2  - Adjust Chapter 3 | Draft | 09-06-2014 | NM, PP, PS | NM, PP | NM, PP |
| Web-based Ordering & Ingredient Estimating for Bakery Manufacturer – TR\_V.1.0.docx | V.1.0  - Adjust Chapter 2  - Adjust Chapter 3 | Draft | 10-06-2014 | NM, PP, PS | NM, PP | NM, PP |

**\*NM = Nontra Mahachanont**

**\*PP = Parinya Panyanak**

**\*PS = Phudinan Singkhamfu**

**Table of contents**

[**Chapter One | Introduction** 4](#_Toc388828756)

[1.1 Purpose 4](#_Toc388828757)

[1.2 Scope 4](#_Toc388828758)

[1.3 Dependency 4](#_Toc388828759)

[**Chapter Two | Traceability Record Table** 5](#_Toc388828760)

[2.1 SRS and URS 5](#_Toc388828761)

[2.2 Use Case and User Requirement Specification 7](#_Toc388828762)

[2.3 Activity Diagram and User Requirement Specification 8](#_Toc388828763)

[**Chapter Three | Appendix** 9](#_Toc388828764)

[3.1 User Requirement Specification 9](#_Toc388828765)

[3.2 System Requirement Specification 10](#_Toc388828766)

[3.3 Activity Diagram 14](#_Toc388828767)

# **Chapter One | Introduction**

## 1.1 Purpose

The purpose of traceability record document is to show the relation of the project. The traceability linked between user requirements to system requirement specification, use case, activity diagram, sequence diagram and test case.

## 1.2 Scope

Web-based Ordering & Ingredient Estimating for Bakery Manufacturer is a management system that helps the admin to manage ordering information and estimate ingredient usage. Then the system also helps the wholesaler to manage order and record ordered history. The project focuses on implementation of general order management system. The objective of this project is to develop management system that used with bakery manufacturer. Another objective is to develop a system that support web-based ordering for wholesaler.

## 1.3 Dependency

This traceability record is depended on the following documents:

- Software Project Management Plan

- Software Requirement Specification

- Software Design Document

# **Chapter Two | Traceability Record Table**

## SRS and URS

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| URS  SRS | URS - 01 | URS - 02 | URS - 03 | URS - 04 | URS - 05 | URS - 06 | URS - 07 | URS - 08 | URS - 09 | URS - 10 |
| SRS - 01 | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |
| SRS - 02 | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |  |  |  |  |
| SRS - 03 | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |  |  |  |  |
| SRS - 04 | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |
| SRS - 05 | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |  |  |  |  |
| SRS - 06 | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |
| SRS - 07 | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |  |
| SRS - 08 |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |  |  |  |
| SRS - 09 |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |  |  |  |
| SRS - 10 |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |  |  |  |
| SRS - 11 |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |  |  |  |
| SRS - 12 |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |  |  |  |
| SRS - 13 |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |  |  |  |
| SRS - 14 |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |
| SRS - 15 |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |  |  |
| SRS - 16 |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |  |  |
| SRS - 17 |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |  |
| SRS - 18 |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |  |
| SRS - 19 |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |  |
| SRS - 20 |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |  |
| SRS - 21 |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |  |
| SRS - 22 |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |  |  |
| SRS - 23 |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SRS - 24 |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |  |  |
| SRS - 25 |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |
| SRS - 26 |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |
| SRS - 27 |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |
| SRS - 28 |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |
| SRS - 29 |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |
| SRS - 30 |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |
| SRS – 31 |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |
| SRS - 32 |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |
| SRS - 33 |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |
| SRS - 34 |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |
| SRS - 35 |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |
| SRS - 36 |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |
| SRS - 37 |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |
| SRS - 38 |  |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |
| SRS - 39 |  |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |
| SRS - 40 |  |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |
| SRS - 41 |  |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |
| SRS - 42 |  |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |
| SRS - 43 |  |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |
| SRS - 44 |  |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |
| SRS - 45 |  |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |
| SRS - 46 |  |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |
| SRS - 47 |  |  |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |
| SRS - 48 |  |  |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |
| SRS - 49 |  |  |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |
| SRS - 50 |  |  |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |
| SRS - 51 |  |  |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |
| SRS - 52 |  |  |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |
| SRS - 53 |  |  |  |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |
| SRS - 54 |  |  |  |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |
| SRS - 55 |  |  |  |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |
| SRS - 56 |  |  |  |  |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |
| SRS - 57 |  |  |  |  |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |
| SRS - 58 |  |  |  |  |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |
| SRS - 59 |  |  |  |  |  |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |

## 

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| URS  UC | URS - 01 | URS - 02 | URS - 03 | URS - 04 | URS - 05 | URS - 06 | URS - 07 | URS - 08 | URS - 09 | URS - 10 |
| UC - 01: Registration member | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |  |  |  |  |
| UC - 02: Authentication |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |  |  |  |
| UC - 03: Manage all member information |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |  |  |
| UC - 04: Update own information |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |  |
| UC - 05: Manage bakery product information |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |
| UC - 06: View bakery product information |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |
| UC - 07: Order bakery product |  |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |
| UC - 08: Manage own ordered information |  |  |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |
| UC - 09: View ordered information |  |  |  |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |
| UC - 10: Mark available status |  |  |  |  |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |
| UC - 11: View ordered status |  |  |  |  |  |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |

## 2.2 Use Case and User Requirement Specification

## 2.3 Activity Diagram and User Requirement Specification

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| URS  AD | URS - 01 | URS - 02 | URS - 03 | URS - 04 | URS - 05 | URS - 06 | URS - 07 | URS - 08 | URS - 09 | URS - 10 |
| AD - 01 | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |  |  |  |  |
| AD - 02 |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |  |  |  |
| AD - 03 |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |  |  |  |
| AD - 04 |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |  |  |
| AD - 05 |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |  |  |
| AD - 06 |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |  |
| AD - 07 |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |  |  |
| AD - 08 |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |
| AD - 09 |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |
| AD - 10 |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |
| AD - 11 |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |  |
| AD - 12 |  |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |
| AD - 13 |  |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |
| AD - 14 |  |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |
| AD - 15 |  |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |  |
| AD - 16 |  |  |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |
| AD - 17 |  |  |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |  |
| AD - 18 |  |  |  |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |  |
| AD - 19 |  |  |  |  |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |  |
| AD - 20 |  |  |  |  |  |  |  |  |  | http://www.decodeunicode.org/en/data/glyph/196x196/2714.gif |

# **Chapter Three | Appendix**

## 3.1 User Requirement Specification

**URS-01:** Admin can register to activate member to access the application by

create new member information; username, password, first name, last name, phone number, address, user type and profile picture into database.

**URS-02:** Admin and wholesaler authenticate the web application account.

**URS-03:** Admin can manage all member information; username, password, first

name, last name, phone number, address, user type and profile picture in the database.

**URS-04:** Wholesaler can update own information; username, password, first

name, last name, phone number, address, user type and profile picture in the database.

**URS-05:** Admin can manage all bakery product information; bakery product ID,

bakery product name, description, price, category and product picture in the database.

**URS-06:** Wholesaler can order bakery products.

**URS-07:** Wholesaler can manage own ordered information; bakery product name,

amount of each bakery product and delivery date in the order page.

**URS-08:** Admin can view ordered information of all members by search keyword

of customer name, bakery product ID, bakery product name, amount of each bakery product and delivery date in the database.

* **URS-09:** Admin can mark available on the status of all ordered.
* **URS-10:** Wholesaler can view their ordered status in the system.

## 3.2 System Requirement Specification

**SRS-01:** The system can connect to the database**.**

**SRS-02:** The system shall provide a link for register new member information within member management page interface.

**SRS-03:** The system shall provide a registration form within a creating new member page interface to admin input member information.

**SRS-04:** The system shall provide service for validation input information.

**SRS-05:** The system shall provide notification to display a message after submitting a registration form.

**SRS-06:** The system shall provide service to store information into the database.

**SRS-07:** The system shall provide a user interface to display the new member information.

**SRS-08:** The system shall provide a link for logging in to the web application.

**SRS-09:** The system shall provide a login form within user interface to admin and wholesaler login users as a different role.

**SRS-10:** The system can hide the characters in the password field.

**SRS-11:** The system shall provide notification to display a message after authenticates.

**SRS-12:** The system can take wholesaler or admin to the index page of their user type.

**SRS-13:** The system shall provide a link for logging out from the web application.

**SRS-14:** The system shall provide confirmation dialog box.

**SRS-15:** The system shall provide a textbox within member management interface to search the member information.

**SRS-16:** The system shall provide a user interface to display list of member. In each label shall display member name text and profile picture on member list.

**SRS-17:** The system shall provide a user interface to display the old member information which are username, first name, last name, phone number, address, user type and profile picture on view information of member management page.

**SRS-18:** The system shall provide a link for update member information within the member management interface.

**SRS-19:** The system shall provide a member form within updating member information page interface to user update new member information.

**SRS-20:** The system shall provide confirmation button.

**SRS-21:** The system shall provide service to update member information into the database.

**SRS-22:** The system shall provide a link for delete member information within the member management interface.

**SRS-23:** The system shall provide service to delete member information into the database.

**SRS-24:** The system shall provide service to get new member information to display in member management interface.

**SRS-25:** The system shall provide a link for creating new bakery product information within the bakery product interface.

**SRS-26:** The system shall provide a bakery product form within a creating new bakery product information page interface to admin input bakery product information.

**SRS-27:** The system shall provide notification to display a message after submitting bakery product form.

**SRS-28:** The system shall provide a textbox within bakery product interface to search the bakery product information.

**SRS-29:** The system shall provide a user interface to display all list of bakery product. In each label shall display bakery product name text and bakery product picture on bakery product list.

**SRS-30:** The system shall provide a user interface to display the old bakery product information which are bakery product ID, bakery product name, product description, product price, product category and product picture on view information of bakery product page.

**SRS-31:** The system shall provide a link for update bakery product information within the bakery product interface.

**SRS-32:** The system shall provide a bakery product form within updating bakery product information page interface to admin update new bakery product information.

**SRS-33:** The system shall provide service to update bakery product information into the database.

**SRS-34:** The system shall provide a user interface to display the new bakery product information.

**SRS-35:** The system shall provide service to get new bakery product information to display in bakery product interface.

**SRS-36:** The system shall provide a link for delete bakery product information within the bakery product interface.

**SRS-37:** The system shall provide service to delete bakery product information into the database

**SRS-38:** The system shall provide a link for making an order within the order management interface.

**SRS-39:** The system shall provide an order form within an ordering bakery product page interface to wholesaler input name of the product, amount of each bakery product and delivery date.

**SRS-40:** The system shall provide a user interface to display all bakery product list, discount and total price of order information.

**SRS-41:** The system shall provide button for sending ordered information within the order management interface.

**SRS-42:** The system shall provide a user interface to display the new ordered information.

**SRS-43:** The system shall provide a link for repeat ordered information within the history interface.

**SRS-44:** The system shall provide notification to display a message after sending order form.

**SRS-45:** The system shall provide a link for save unfinished order list within order management interface.

**SRS-46:** The system shall provide service to get new ordered information to display in ordered information interface.

**SRS-47:** The system shall provide a user interface to display the old ordered information.

**SRS-48:** The system shall provide a link for update ordered information within the order management interface.

**SRS-49:** The system shall provide an order form within an updating bakery product page interface to wholesaler input name of the product, amount of each bakery product and delivery date.

**SRS-50:** The system shall provide service to update ordered information into the database.

**SRS-51:** The system shall provide a link for canceling ordered information within the order management interface.

**SRS-52:** The system shall provide service to cancel ordered information into the database.

**SRS-53:** The system shall provide a textbox within order management interface to search the ordered information.

**SRS-54:** The system shall provide a user interface to display list of all ordered information. In each label shall display customer name text and delivery date on ordered information list.

**SRS-55:** The system shall provide a user interface to display the old ordered information which are customer name, bakery product ID, bakery product name, amount of each bakery product and delivery date on view information of order page.

**SRS-56:** The system shall provide button for mark available of ordered information within the order management interface.

**SRS-57:** The system shall provide notification to display a message after marking available of ordered.

**SRS-58:** The system shall provide service to get new available status to display in order management interface.

**SRS-59:** The system shall provide dialog box to display an available status message in their ordered information page.

## 3.3 Activity Diagram

**AC-01:** Admin registration to activate member.

**AC-02:** Admin and wholesaler login to the system.

**AC-03:** Admin and wholesaler logout from the system.

**AC-04:** Admin update member information.

**AC-05:** Admin delete member information.

**AC-06:** Wholesaler update own information.

**AC-07:** Admin view member information.

**AC-08:** Admin add bakery product information.

**AC-09:** Admin update bakery product information.

**AC-10:** Admin delete bakery product information.

**AC-11:** Admin and wholesaler view bakery product information.

**AC-12:** Wholesaler repeats an old ordered.

**AC-13:** Wholesaler order new bakery products.

**AC-14:** Wholesaler saves unfinished order.

**AC-15:** Wholesaler sends order.

**AC-16:** Wholesaler edit own ordered information.

**AC-17:** Wholesaler cancel own ordered information.

**AC-18:** Admin view ordered information.

**AC-19:** Admin mark available status.

**AC-20:** Wholesaler views their ordered status.