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Goods Flow Logistics System
Software Requirements Specification Version <46.0>

Revision History

Date	Version	Description	Author
<10/08/22>	<1.0>	Initial Draft.	Kim DongIn, Ahn ChanJun, Lee ChangMin
<10/11/22>	<2.0>	Change on Usability, Performance, Security, Design Constraints, Interfaces requirements.	Kim DongIn, Ahn ChanJun, Lee ChangMin
<10/19/22>	<3.0>	Modification on the requirements and glossaries. Put ID on the requirements.	Kim DongIn, Ahn ChanJun, Lee ChangMin
<11/12/22>	<4.0>	Deletion on implementation-centric requirements which is GUI, performance, design constraints, and interfaces. Modify on profile and account requirements. Renamed requirements IDs. Deletion on glossary.	Kim DongIn, Ahn ChanJun, Lee ChangMin
<11/26/22>	<5.0>	Delete internet provider requirements and help system. Modify grammar sentence,.	Kim DongIn, Ahn ChanJun, Lee ChangMin
<12/01/22>	<6.0>	Modify glossary grammar sentence, and inconsistent terms. Delete 'accessibility' requirements.	Kim DongIn, Ahn ChanJun, Lee ChangMin

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Software Requirements Specification
1. Introduction

The introduction of Software Requirements Specification (SRS) for the Goods Flow logistics System covers an overview of an entire SRS, which is its purposes, scope of use, definitions, acronyms, and other abbreviations and references. The focus of this document is to collect, analyze, and give deep insight into a distribution center and tracking services. That is possible by defining a detailed description of the problem by focusing on the functions and needs of stakeholders while finding problems while defining product characteristics at a high level. Exact tracking requirements can be provided in this document.

1.1 Purpose

The purpose of this document is to collect and analyze: The definition of package tracking and the requirements that consumers and stakeholders expect. Also, we can increase our understanding of the Package Tracking project by collecting and analyzing these things.

In a nutshell, the purpose of this document is to provide a high-level overview and detailed description of Package Tracking. It will describe the information of the target users of this project and the user interface. Furthermore, we can expect that it will be able to help designers and developers working on similar projects.

1.2 Scope

Primarily the scope is related to the e-Logistics function. It focuses on the needs of sellers, carriers, and shopping malls. Package Tracking aims to improve the quality of logistics services by solving problems with sellers, delivery companies, and shopping malls expected as main stakeholders with online technology. We can also help customers choose another tracking service. It can be used as a standard model for logistics services because it covers the overall

Goods Flow Logistics System Project	Version: <64.0>
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<document identifier>	

functions of logistics. Customers can also get a description of what kind of information and features are required for the Goods Flow Logistics System.

1.3 Definitions, Acronyms, and Abbreviations

Client	A consumer which who differs to the company.
Courier contract code	Code issued when contracting with a courier company.
Customer company ID	A unique code that is used to identify customer company.
FAQ	Frequently Asked Questions.
Tracking number	Numbers assigned to packages when they are shipped.

1.4 References

Currently, there are no references.

1.5 Overview

The remaining sections of this document provide a general description, including characteristics of the users of this project, the product's hardware, and the product's environmental, functional, and data requirements. Section 2 gives the environmental requirements, functional requirements, data requirements, constraints, and assumptions made while designing the E-Logistics. It also gives the user viewpoint of the product. Section 2 also gives the specific requirements of the product. Section 2 also discusses the external interface requirements and gives a detailed description of functional requirements. Section 3 is for supporting information.

2. Specific Requirements
2.1 Functionality

 This subsection contains the requirements for e-Logistics.

2.1.1. *Receive order information from the customer company*

R1. The system shall receive order information from the customer company.

R2. The system shall receive the customer company ID from the customer company.

2.1.2. *Request delivery to the carrier*

R3. The system shall request delivery to the courier~~arrier~~.

R4. The system shall link the courier contract code to the courier ~~shipping company~~.

2.1.3. *Receive tracking information from the courier~~arrier~~*

R5. The system shall receive the tracking number from the courier.

R6. The system shall receive the ~~delivery status~~tracking information for the tracking number.

R7. The system shall receive the ~~delivery status~~tracking information when the data is sent~~updated~~.

2.1.4. *Transfer tracking information to the customer company*

R8. The system shall inform the customer company of the tracking number.

R9. The system shall update the ~~delivery status~~tracking information when the data is sent~~.package arrives at the hub~~.

2.1.5. *Offer information to the client*

R10. The system shall display the delivery status. ~~when the package arrives at the hub.~~

R11. The system shall display the tracking number.

R12. The system shall display the product name.

R13. The system shall display the shipper and consignee.

R14. The system shall display the delivery point.

R15. The system shall display the delivery man's name.

R16. The system shall check the delivery status at any time.

R17. The system shall allow users to access the tracking information.

2.1.6. Offer ~~returns~~ refund

R18. The system shall provide a ~~return~~ refund service.

R19. The system shall receive the client's ~~return~~ refund request.

R20. The system shall provide ~~a return~~refund information to the customer company.

R21. The system shall provide ~~a return~~refund information to the courier.

R22. The system shall sign a new contract with the courier company dedicated to the customer.

R23. The system shall display the ~~result~~ tracking information of the ~~return~~ refund process to the client.

2.1.7. Maintain client account

R24. The system shall allow the user to create an account.

R25. The system shall allow the user to update the account information.

R26. The system shall allow the user to delete the account.

R27. The system shall provide sign-in~~login~~ with the client account.

R28. The system shall provide a sign-out ~~logout~~ with the client account.

2.1.8. Provide multiple shipping methods for the client.

R29. The system shall provide different shipping options provided by the shipping department.

2.2 ~~Accessibility~~

~~R30. The system shall provide web pages for the customer company.~~

~~R31. The system shall provide application access for the clients.~~

2.3 ~~Internet service provider~~

~~R32. The system shall provide a contractual agreement with an internet service provider.~~

~~R33. The system shall provide the internet by network facilities of the provider.~~

2.4~~2.2~~ Security

2.4.1.~~2.2.1.~~ Data Transfer

R34R30~~2~~. The system shall not leave the user's phone number.

R35R31~~3~~. The system shall not leave the user's address.

2.4.2.2.2.2. *Data Storage*

R36R324. The system's storage shall store the order information, customer company ID, tracking number, courier contract code, tracking status, and user account information.

R37R335. The system's storage shall never display a client's personal information.

R38R36. The system's storage shall only be accessible to authenticated administrators.

2.5 Help System Requirements

2.5.1. Provide User Support.

R39. The system shall provide help services.

R40. The system shall provide FAQ user support.

R41. The system shall allow the users to enter the user and system information for support.

R42. The system shall display the user support contact numbers.

2.5.2. Help System for a client

R43. The system shall provide specific guidelines to a user.

2.5.3. Help System for Customer Company

R44. The system shall provide specific guidelines to a user for using the Goods Flow system.

2.5.4. Help System for carrier

R45. The system shall provide specific guidelines to a user for using the Goods Flow system.