Goods Flow System

Customer company

Courier

Client

Authenicated user

Internet provider

- Track on a package (U1)
- Exchange on a package (U3)
- Refund on a package (U4)
- Manage on the delivery informaiton (U1, U2, U3, U4)
- Provide internet (U1, U2, U3, U4)
- Login to account (U1, U2, U3, U4)
- Send on a package (U2)

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Andre Kim

Use Case Specification:
Goods Flow e-Logistics System

Version <2.0>

서식 있음: 들여쓰기: 왼쪽: 0 cm, 첫 줄: 0 cm

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Revision History

Date	Version	Description	Author
<10/22/22>	<1.0>	First Draft	Kim DongIn, Ahn ChanJun, Lee ChangMin
<11/12/22>	<2.0>	Add use-case. Modified use-case name. Modify all use-case basic flow. Add linked requirements all use-case. Add preconditions all use-case.	Kim DongIn, Ahn ChanJun, Lee ChangMin

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서식 있음: 들여쓰기: 왼쪽: 0 cm, 첫 줄: 0 cm

Use Case Specification: < Track on a package >

U1. Delegate on data management

1. Brief Description

The system receives data from the customer company, processes it into data that meets the specifications of the shipping company, and delivers it to the shipping company. The system receives the tracking information and sends it to the customer company and the client. In conclusion, the customer company and the client receive the tracking information through the system. Also, the client checks the delivery information visualized through the application.

> *삭제함: system sends the delivery information to the customer company.*

2. Actors

2.1. Authenticated user: Who has access to the system.

2.2. Client: Individuals who purchase products while using the application.

2.3. Courier: A company in charge of courier service.

2.4. Customer company: A company or organization that needs courier service.

2.5. Internet provider: An object that provides the Internet for system communication.

3.Flow of Events.

3.1 Basic Flow

1. The client login the application,
2. The client orders a product.
3. The customer company sends the order information to the system.
4. The system receives the order information.
5. The system sends the order information to the courier.

> *삭제함: received*
> *삭제함: delivery*

6. The courier receives the order information to the system.
7. The courier sends the courier contract code and tracking number to the system.

> *삭제함: <#>The courier sends the tracking number to the system.*

8. The system receives the courier contract code and tracking number from the courier.

> *삭제함: carrier*

9. The system sends the tracking information to the customer company.
10. The customer company receives the tracking information from the system.
11. The courier sends the tracking information which is updated to the system.

> *삭제함: passes*

12. The system receives the tracking information when it is updated from the courier.
13. The system sends tracking information to the customer company.
14. The customer company receives the tracking information from the system.
15. The system sends the tracking information to the client.
16. The client receives the tracking information from the system.

> *서식 있음: 들여쓰기: 왼쪽: 0 cm, 첫 줄: 0 cm*

17. The client receives the package sent by courier.

4. Pre-Conditions

4.1   The client signs up the application.

4.2   The customer company allocated the ID.

4.3   The system provides help system to the customer company.

4.4   The system provides help system to the client.

4.5   The system provides help system to the courier.

5. Post-Conditions

5.1   The client receives the shipment from Courier.

6. Linked Requirements

R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R24, R25, R26, R27, R28, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45.

Use Case Specification: <Send on a package>

U2 Send on a package

1. Brief Description

When the client applies for delivery service by selecting information about the delivery item and transportation method, the system processes the delivery information sent by the client into data that meets the standards of the courier and delivers it to the courier. When the sequence is finished, the system receives shipping information from the courier. In conclusion, the system visualizes the delivery result through the app and delivers it to the client.

2. Actors

2.1. *Authenticated user: Who has access to the system.*

2.2. *Client: Individuals who purchase products while using the app.*

2.3. *Courier: A company in charge of courier service.*

2.4. *Internet provider: An object that provides the Internet for system communication.*

3. Flow of Events

3.1 Basic Flow

1. The client login the application.

2. The client sends the delivery information to the system.

3. The system receives the delivery information.

4. The system sends the received delivery information to the courier.

5. The courier sends the tracking number and the courier contact code to the system.

6. The system receives the tracking number and the courier contract code from the courier.

7. The courier sends the tracking information when it is updated to the system.

8. The system receives the tracking information which is updated from the courier.

9. The client receives the delivery result from the system.

4. Pre-Conditions

4.1 The client signs up the application.

4.2 The system provides help system to the client.

4.3 The system provides help system to the courier.

5. Post-Conditions

5.1 The client checks the delivery result sent by Courier.

6. Linked Requirements

R3, R4, R5, R6, R7, R11, R12, R13, R15, R24, R25, R26, R27, R28, R29, R31, R32, R33, R34, R35, R36, R37, R38, R39,R40,R41,R42,R43,R45.

서식 있음: 들여쓰기: 왼쪽: 0 cm, 첫 줄: 0 cm

Use Case Specification: <Exchange on a package>

U3. Exchange on a package

1. Brief Description

When the customer applies the exchange process for the delivery request, the system sends the client's request to the customer company and progresses the exchange by contacting a courier. Also, the system processes the exchange information according to the specifications and sends it to the courier. And when the exchange is finished, the system receives the delivery completion information. In conclusion, the system visualizes the exchange result and sends it to the client.

2. Actors

2.1. *Authenticated user: Who has access to the system.*

2.2. *Client: Individuals who purchase products while using the app.*

2.3. *Courier: A company in charge of courier service.*

2.4. *Customer company: A company or organization that needs courier service.*

2.5. *Internet provider: An object that provides the Internet for system communication.*

3. Flow of Events

3.1 Basic Flow

1. The client login the application,

2. The client requests an exchange to the system.

3. The system receives an exchange request.

4. The system sends the received exchange request to the customer company.

5. The system signs a new contract with the courier.

6. The system sends the exchange information to the courier.

7. The system sends the exchange request to the courier.

8. The courier receives the package from the client.

9. The courier sends the package to the customer company.

10. The courier sends the new package to the client.

11. The client receives the new package.

4. Pre-Conditions

4.1. The client signs up the application.

4.2. The customer company allocated the ID.

4.3. The system provides help system to the customer company.

4.4. The system provides help system to the client.

4.5. The system provides help system to the courier.

4.6. Use-case 1 must be carried out first.

5. Post-Conditions

5.1. The client receives the new package.

6. Linked Requirements

R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39,R40,R41,R42,R43,R44,R4

서식 있음: 들여쓰기: 왼쪽: 0 cm, 첫 줄: 0 cm

Use Case Specification: <Refund on a package>

U4. Refund on a package

1. Brief Description

When the customer applies the refund process for the delivery request, the system sends the client's request to the customer company and progresses the refund by contacting a courier. Also, the system processes the refund information according to the specifications and sends it to the courier. And when the refund is finished, the system receives the refund completion information. In conclusion, the system visualizes the refund result and sends it to the client.

2. Actors

2.1. Authenticated user: Who has access to the system.

2.2. Client: Individuals who purchase products while using the app.

2.3. Courier: A company in charge of courier service.

2.4. Customer company: A company or organization that needs courier service.

2.5. Internet provider: An object that provides the Internet for system communication.

3. Flow of Events

3.1 Basic Flow

1. The client login the application,

2. The client requests a refund to the system.

3. The system receives a refund request.

4. The system sends the received refund request to the customer company.

5. The system signs a new contract with the courier.

6. The system sends the refund information to the courier.

7. The courier receives the package from the client.

8. The courier sends the package to the customer company.

9. The customer company sends the money to the client for the returned package.

10. The client receives the money refunded.

4. Pre-Conditions

4.1. The client signs up the application.

4.2. The customer company allocated the ID.

4.3. The system provides help system to the customer company.

4.4. The system provides help system to the client.

4.5. The system provides help system to the courier.

4.6. Use-case 1 must be carried out first.

5. Post-Conditions

      5.1. The client receives the money refunded.

6. Linked Requirements

R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39,R40,R41,R42,R43,R44,R45.