

Product Requirements Document: Flexible Shipping/Logistic Options

1. Overview

The goal of this product is to provide users and businesses with flexible shipping and logistic options, along with additional features such as contract management, document storage, notifications, and workflow creation. The system should allow users to create, store, and display contracts, shipping bills, tax documents, and provide automated push notifications/emails for shipment updates. Additionally, it should enable admins to create and store workflows for repetitive shipping tasks.

2. Features and Functionality

The product should include the following features:

2.1. Contract Management

Ability to create, store, and manage contracts associated with shipping assignments.

Support for contract templates and customizable fields to capture relevant information (e.g., shipment details, terms, pricing).

Accessible interface for users to review and sign contracts electronically.

2.2. Document Storage and Display

Secure storage of shipping-related documents such as shipping bills, tax documents, and contracts.

Ability to attach and associate documents with specific shipping assignments for easy retrieval.

Display of relevant documents within the system for users to view and download.

2.3. Push Notifications and Emails

Automated push notifications and emails to keep users informed about the progress of their shipments.

Notifications for key milestones, such as shipment pickup, transit updates, delivery confirmation, and exceptions.

Customizable notification preferences for users to opt-in or opt-out of specific notifications.

2.4. Workflow Management

Admin interface to create and store workflows for repetitive shipping tasks.

Ability to define and customize sequential steps, actions, and approval processes for efficient and consistent shipping operations.

Automated assignment of tasks and notifications to relevant stakeholders based on predefined workflows.

2.5. Tax Document Generation

Ability to generate and store tax-related documents (e.g., invoices, customs declarations) for each shipping assignment.

Integration with tax calculation systems to accurately calculate and populate tax-related information.

Display of tax documents for users and businesses to access and download as needed.

3. User Roles and Permissions

The product should support the following user roles and permissions:

User: Able to initiate shipments, view contracts, documents, and receive notifications.

Business: In addition to user capabilities, businesses should have access to advanced features such as contract creation, workflow management, and document storage.

Admin: Able to configure system settings, manage workflows, and oversee the overall system administration.

4. Technical Requirements

The system should be accessible through a web-based interface, compatible with modern web browsers and mobile devices.

Secure storage and retrieval of sensitive documents, contracts, and tax-related information.

Integration with notification services for automated push notifications and emails.

5. Constraints and Considerations

Compliance with data privacy regulations and document retention policies.

User-friendly interfaces for contract creation, document storage, and workflow management.

Efficient generation and storage of tax-related documents based on shipping assignment details.

Use Case: Shipping 500 Tons of Raw Material from Kashmir to Kanyakumari

Actors:

Business: The company responsible for initiating and managing the shipment.

Preconditions:

The business has access to the flexible shipping/logistic product.

The business has a user account with appropriate permissions.

Main Flow:

1. The business logs into the flexible shipping/logistic system.
2. The business enters the shipment details, including the origin (Kashmir) and destination (Kanyakumari), along with the quantity of raw material (500 tons).
3. The system displays available shipping options, including various carriers and modes of transport (air, sea, land).
4. The business selects the desired shipping carrier and mode of transport, considering factors such as cost, time, and other preferences.
5. The system calculates the estimated shipping cost and displays it to the business, taking into account factors such as transportation rates, insurance, labour costs, taxes, and charges.
6. The business reviews and confirms the selected shipping option and cost.

7. The system generates a contract for the shipment, including terms and conditions, pricing, and relevant details.
8. The business reviews and signs the contract electronically within the system.
9. The system generates shipping bills and tax-related documents for the shipment.
10. The business verifies and attaches any additional required documents, such as customs declarations or invoices.
11. The system stores all the relevant documents securely within the system.
12. The business initiates the shipment, and the system sends automated push notifications and emails to provide updates at various stages of the shipment, such as pickup, transit, and delivery.
13. The system tracks the shipment in real-time using GPS integration, providing the business with up-to-date location information.
14. Upon arrival at the destination (Kanyakumari), the system generates a delivery confirmation.
15. The business receives the delivery confirmation and completes the shipping process.
16. Postconditions:
17. The raw material shipment has been successfully transported from Kashmir to Kanyakumari.
18. The business has access to the stored documents, including the contract, shipping bills, tax-related documents, and delivery confirmation.
19. The system maintains a record of the shipment in the shipping history for future reference.
20. This use case demonstrates how a business can utilize the flexible shipping/logistic product to send 500 tons of raw material from Kashmir to Kanyakumari. The product enables the business to select shipping options, manage contracts and documents, receive automated notifications, and track the shipment in real-time, ensuring a smooth and efficient shipping process.
21. Business user logs into the system.
22. Business user enters the shipment details, including origin, destination, and quantity of raw material.
23. The system displays available shipping options (carriers and modes of transport).
24. Business user selects the desired shipping carrier and mode of transport.
25. The system calculates the estimated shipping cost, considering factors such as transportation rates, insurance, labour costs, taxes, and charges.
26. Business user reviews and confirms the selected shipping option and cost.
27. The system generates a contract for the shipment, including terms and conditions, pricing, and relevant details.
28. Business user reviews and signs the contract electronically within the system.
29. The system generates shipping bills and tax-related documents for the shipment.
30. Business user verifies and attaches any additional required documents, such as customs declarations or invoices.
31. The system stores all relevant documents securely within the system.
32. Business user initiates the shipment.
33. The system sends automated push notifications and emails to provide updates at various stages of the shipment (pickup, transit, delivery).
34. The system tracks the shipment in real-time using GPS integration, providing up-to-date location information.
35. Upon arrival at the destination, the system generates a delivery confirmation.
36. Business user receives the delivery confirmation and completes the shipping process.