

Shiva Exports Ltd

# Logistics Management System

Project Vision

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## 1 Introduction

The Project Vision Document highlights the positioning the project seeks to have, the stakeholder descriptions and requirements, as well as the resulting system requirements.

### 1.1 Purpose

The purpose of this document is to help the development team to align their efforts to best achieve the desired goals expressed by all stakeholders.

### 1.2 Scope

This document aims to outline only the systems deemed within its scope.

#### 1.2.1 In Scope

All features of the logistics management system.

#### 1.2.2 Out of Scope

Current communications and inventory management systems.

## **2 Positioning**

### **2.1 Business Opportunity**

The Logistics Management System seeks to aid the team at Shiva Exports in solving daily logistical challenges and in creating high-level statistical overview of shipment that will lead to improvements in business processes. The aim is to shorten delivery times, reduce costs, and to reduce other unfound frictions in current business processes.

### **2.2 Problem Statement**

Current processes in tracking the shipment of items from vendors to Shiva Exports' warehouses cause various communication and planning challenges that affect a number of front line and management teams at the company. Inefficiencies in current processes cost the company time and accrue transit expenses. A successful solution will help provide live data pertaining to shipments that streamline communication and high-level data that make planning easier.

### **2.3 Product Position Statement**

Shiva Exports currently manages their shipment processes using a number of different communication applications and inventory software. The Logistics Management System seeks to streamline communication and provide a high-level overview of the company data to improve not only the precision and speed but also the scope at which decisions can be made.

### 3 Stakeholder and User Descriptions

#### 3.1 Stakeholder Summary

Stakeholder Name	Represents	Role
Management	Oversees logistics and fulfilment teams and is in charge not only of day to day processes but also for improving and managing how processes are conducted in the long term.	May use any of the features included in the system but may take special interest in tracking high-level overview data.
Logistics Team	Manages the day to day planning and tracking of shipments and ensures that they are fulfilled per the manifest.	May use any of the features included to plan, track, and edit shipment data.
Fulfilment Team	Maintains a line of communication with the other teams and fulfils the shipments.	May not use the system directly but provide communication either through GPS data to the system directly or through other means to other team members.

**Table 3 Stakeholder Summary**

#### 3.2 User Summary

User Name	Description	Responsibilities	Stakeholder
Tanya Arora	Project Manager	Overview live data to help solve daily issues and improve business processes.	Management
Sonia Goyal	Inventory Coordinator	Verifies if items on the current inventory management manifest are received. Manages discrepancies and claims. Verifies the status of shipments on the system.	Logistics Team
Ramandeep Kaul	Purchase and Sales Coordinator	Enters new vendor data for shipments to be planned out. Manages status of shipments on the system.	Logistics Team

Sajla Datt	Logistics and Sales Coordinator	Creates new routes using vendor data and utilizes the system to create optimized truck orientations.	Logistics Team
Sumit Narula	Logistics Coordinator	Views live shipment data and manages a direct line of communication with the driver to ensure shipments are appropriately fulfilled.	Logistics Team

**Table 4 User Summary**

## 4 Stakeholder Requirements

ID	Requirement	Stakeholder
0	See live shipment data	Management Team & Logistics Team
1	Enter data about new purchases	Logistics Team
2	Plan shipment routes	Logistics Team
3	Get notifications pertaining to shipments in progress.	Management Team

**Table 5 Stakeholder Requirements**

## 5 System Features

ID	Feature	Stakeholder Requirement ID
0	Enter, edit, and manage vendor information	1
1	Create new routes with locations for pickups and drop offs	1
2	Create new optimized truck loads with custom orientation and placement of a variety of items	1
3	Manage status of items on a given truck load as being shipped, on route, received	1
4	Displays cost of trips based on current route and fixed cost variables	0
5	Live GPS data showing truck positioning	0
6	Notifications about route changes, shipment arrivals, and other shipment status updates	0

**Table 6 System Features**

## 6 Assumptions

We assume we will be able to receive live data from Shiva Exports current GPS tracking solution.



## 7 Constraints

The project is built to require an adequate desktop browser experience with high speed internet connection for all members of the management and logistics teams.