

Shiva Exports Ltd

# Logistics Management System

High Level Requirements

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## Project Identification

|                          |                             |
|--------------------------|-----------------------------|
| <b>Project:</b>          | Logistics Management System |
| <b>Prepared By:</b>      | Group T07                   |
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## Contributors

*The following individuals contributed to this document.*

| Name           | Title       |
|----------------|-------------|
| Jeremy Thibeau | Team Member |
|                |             |

## Distribution

*This document is distributed to all the following people.*

| Name              | Title       |
|-------------------|-------------|
| Jeremy Thibeau    | Team Member |
| Veronique Lemieux | Team Member |
| Saad Khan         | Team Member |
| Ian Miranda       | Team Member |
| Sergio Lombana    | Team Member |

## Referenced Documents

*This document refers to the following materials*

| Version number | Title | Author | Date | Source / Location |
|----------------|-------|--------|------|-------------------|
| N/A            |       |        |      |                   |
|                |       |        |      |                   |
|                |       |        |      |                   |

## Revision History

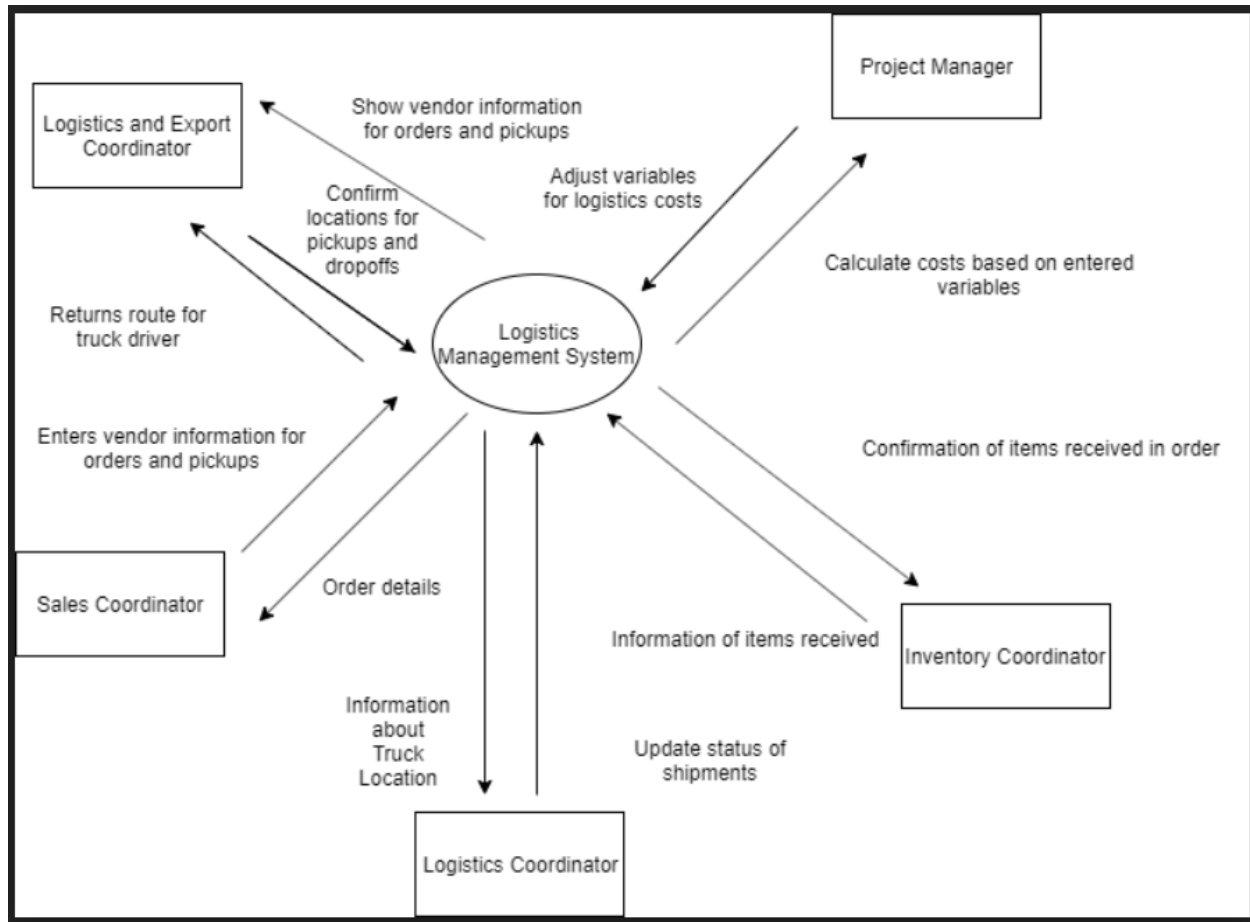
| Version Number | Revision Date      | Summary of Changes  | Modified by    |
|----------------|--------------------|---|----------------|
| 0.1            | September 24, 2019 | <i>Started first draft of document</i>  | Jeremy Thibeau |
| 1              | September 29, 2019 | <i>Completed all sections for first complete revision of document for approval.</i> | Jeremy Thibeau |
|                |                    |   |                |

*[Note: It is recommended that drafts be numbered 0.1 to 0.9, and that the first approved version be numbered 1.0. Thereafter, new version numbers will depend upon changes: 1.01, 1.1, etc for minor updates, 2.0, 3.0 etc for major changes.]*

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## 1. Business Context Diagram



## 2. Requirements Scope Statement

| Requirement Scope Area | Description  |
|------------------------|--|
| HLR01                  | Track delivery truck using GPS information.  |
| HLR02                  | Gather lists of items being picked up on routes.   |
| HLR03                  | Optimize container layouts for pickup and drop off of as much value in items as possible, while ensuring to conform to regulatory requirements for storage |
| HLR04                  | Track items coming into warehouse  |
| HLR05                  | Retrieve photocopier information from third party software so user may see information about photocopier.  |
| HLR06                  | Generate confirmations of invoices when pick ups/ deliveries occur.  |
| HLR07                  | Generate confirmations when shipments are received and dropped off so they can be verified easily for accuracy.  |
| HLR08                  | Allow project manager to adjust variables in logistics to optimize costs   |

| External Entity                 | Description  |
|---------------------------------|--|
| Project Manager                 | Oversees all logistics and aspects of sales, and inventory                                       |
| Logistics & Exports Coordinator | Receives purchase lists and optimizes container layout, as well as pickup and drop off routes.   |
| Purchase & Sales Coordinator    | Makes purchase lists to determine where truck needs to go for pick up and drop off.              |
| Inventory Coordinator           | Checks received shipments to ensure they match purchase lists, and reconciles any discrepancies. |
| Logistics Coordinator           | Keeps up to date on location of truck and updates the status of any shipments.                   |

| Information Flows                                | Description   |
|--|---|
| Show vendor information for orders and pickups   | System displays information for vendors that are requesting orders, or that Shiva is picking up from.     |
| Confirm locations for pickups and dropoffs       | Logistics and exports coordinator enters which vendors they want to confirm orders or drop offs for       |
| Returns route for truck driver                   | System returns route optimized for order of visit for selected vendors                                    |
| Enters vendor information for orders and pickups | Sales coordinator enters information for order from vendors   |
| Order details                                    | System returns list of order details per vendor to be sent to logistics coordinator                       |
| Information of items received                    | Inventory coordinator enters list of items received per order   |
| Confirmation of items received in order          | System confirms which items have been received and any discrepancies in item/ condition                   |
| Adjust variables for logistics costs             | Project manager adjusts variables such as km travelled, gas prices, and routes to affect logistics costs. |
| Calculate costs based on entered variables       | System returns costs based on variables entered. System returns alternate routes to optimize variables.   |
| Information about Truck Location                 | System keeps track of location of delivery truck through GPS.   |
| Update Status of Shipments                       | Logistics coordinator updates status of shipments to keep vendors aware of progress.                      |

### 3. High Level Business Requirements (HLR) Traceability

| HLR#  | Description   | Priority (H, M, L) |
|-------|---|--------------------|
| HLR01 | Track Truck using GPS   | H                  |
| HLR02 | Compile/ Create Pickup Lists                                      | M                  |
| HLR03 | Create Truck Container Layouts                                    | M                  |
| HLR04 | Track space in warehouse  | M                  |
| HLR05 | Fetch dimensions/ statistics of copiers from Buyer's Lab Software | L                  |
| HLR06 | Invoice Receipt Alert   | H                  |
| HLR07 | Alert for shipment received                                       | H                  |
| HLR08 | Monetize Logistics  | H                  |

## 4. High Level Business Requirements Sign-Off

The undersigned acknowledge their agreement with the contents of Version 0.1 of the High-Level Requirements document for *Logistics Management System*.

Following approval of this document, requirements changes will be governed by the project's change management process, including impact analysis and appropriate reviews and approvals, under the general control of the Project Plan and according to company policy. Approved Change Request Documents, if present, will be attached to this Requirements Document as updates.

| Name              | Project Role and Functional Area | Date Signed        |
|-------------------|----------------------------------|--------------------|
| Jeremy Thibeau    | Team Member                      | September 29, 2019 |
| Ian Miranda       | Team Member                      | September 30, 2019 |
| Saad Khan         | Team Member                      | September 30, 2019 |
| Veronique Lemieux | Team Member                      | September 30, 2019 |
| Sergio Lombana    | Team Member                      | September 30, 2019 |

\* Note: physical signatures are not required. Email approvals are acceptable and should be appended to project documents.

**Ian Miranda** via georgebrown.ca  
to Jeremy ▾

12:52 PM (7 hours ago)

I approve of the high level requirements.

Thanks,  
Ian

**Saad Khan** via georgebrown.ca  
to Jeremy ▾

4:51 PM (3 hours ago)

I have read and approve of high level requirements.

\*\*\*

...

**Sergio Lombana Travedo**  
to Jeremy ▾

4:47 PM (3 hours ago)

Sergio Lombana  
Id: 101137768

**Veronique Lemieux** via georgebrown.ca  
to Jeremy ▾

12:50 PM (7 hours ago) ☆ ↶ ⋮

(Still dealing with GBC mail issues, sorry lol)

Hi Jeremy!

I've looked over the High Level Requirements and everything looks great :)

Just a few things to consider...

Do you still have the diagram in [draw.io](#)? If you could change the "Warehouse Logistics Management System" to "Logistics Management System" that would be great, but no worries if you can't.

Did you want to add the "Logistics Coordinator" to the diagram and external entities? The one you have currently is the "Logistics and Exports Coordinator", but the "Logistics Coordinator" (Sumit) would also interact with the system. Again, if you can't change the diagram, no worries!

Great work! :) I approve of the high level requirements.

Vero