# LOGISTICS SYSTEM FUNCTIONAL SPECIFICATION

### Functionalities

1. New user creation
2. User Profile
3. Originator sends PO in PDF
4. Requistioner create electronic PO after receive PDF
5. Notifications to the users
6. Supplier delivery to consolidator
7. Consolidator deliver to requistioner
8. User notification
9. Message/Mail Management
10. Newsfeed Management (All the relevant comment we can have in the newsfeed tab of each PO)
11. Stock Management
12. Admin Management
13. Navigation Management (Admin can define what navigation/menu all the user can get. So e don’t ant to hardcode the na igation)
14. Dashboard management
15. Report Management (Reports can be deliver in xlsx format and PDF format)

Dashboard:

According to the user role various Dashboard can be provided from the below list:

1. Order Received today, yesterday , custom date range (Chart type)
2. Order shipped based on custom range filter (Chart type)
3. Orders in due based on custom date range filter
4. Stock unit display
5. User count from the various role
6. Items created based on date range
7. Remaining widgets after the discussion

Chart can be column chart, bar chart, pie chart or custom type as per the user need

Reports:

Various reports can be provided from the below list:

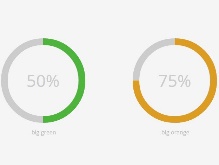
1. Purchase order
2. Stock list
3. Shipment list
4. User list
5. Category list
6. Center list
7. Country list
8. State list
9. Supplier list
10. Audit log
11. Order list
12. Supply list

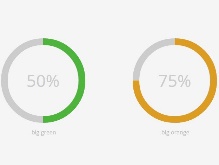
User defined reports also can be delivered

Newsfeed:

* 1. Instead of having separate comment column in the tables we can have a centralized Newsfeed area when user views any PO. User can reply to another user message as well.
  2. This will help the end user very well. This feature may be an innovative idea from our end.

**REQUIREMNT ANALYSIS**  
**Actors**

1. Requisitioner (confirms quantity shipped at the end of the cycle), d PO isn't closed until all orders is received, so there is a close PO button
2. Originator - end user
3. Supplier - supplies products (updates quantity shipped), in some cases, supplier doesn’t ship everything ordered, so there will be quantity shipped
4. Consolidator - consolidates goods only if it's by sea, percentage of goods in container can be given  
   
5. Admin - does setting and every other thing
6. Super admin - run SQL query directly from browser (I don’t know if this is safe or not)
7. Emails are sent to TWO DIFFERENT ADDITIONAL USERS (Purchasing and Logistics) , just for apart from other actors
8. Requisitioner creates a PO from our platform with list of items and price and attaches a PDF doc from, selects a supplier, a consolidator, a charge code (everyone involved gets Inapp and email notification and in timeline )  
   Supplier receives notification and then OPENS the PO electronically, supplier can either accept or reject, once accepted, next supplier can have status of processing order with a circular bar



1. Supplier processes order and the update keeps happening code (everyone involved gets Inapp and email notification and in timeline )  
   Supplier ships to consolidator code (everyone involved gets Inapp and email notification and in timeline )
2. Consolidator ships to Requisitioner (everyone involved gets Inapp and email notification and in timeline )
3. Requisitioner distributes to end users (everyone involved gets Inapp and email notification and in timeline )
4. There is a budget table: Every PO has a charge code known as budget, because it is paid for and approved by someone or a department.
5. So all users who are from requisitioner will be long to a department
6. So for the budget. Table has columns  
   Charge code:  
   Charge code name  
   Description:  
   Approval: person that approves  
   Email:  
   With email, d person gets all correspondence regarding that particular order  
   Phone:  
     
     
   **Data/Tables to be reused(and can still be added)**
7. Stock
   1. Stock table (Requisitioner )
   2. Stock code
   3. Stock item
   4. Stock description
8. MoT (Mode of Transportation)
   1. If by air mostly shipped immediately  
      If by sea, container needs to be filled
9. Lead time (based on average of total orders)
   1. Supplier lead time : when supplier gets orders delivered to consolidator , lead time is average time of all orders delivered
10. Inquiry (open for everyone, as a guide before ordering , creates a procurement advice note)

(order date, enter number of days for conversion... If order date is 10th may, then converted date is x+10, x is entered number of days)

1. User log
2. Audit trail - for admin
3. Users  - Admin sends them an email to register, they register and admin approves
4. Supply - from supplier
5. Category field (which department)

Receipt - when order is received  
  
**REPORTS**Reports on orders (partial delivered, full, pending)

1. Reports on everything else
2. Stock (unit of measurement)

**DASHBOARD**

1. Approximate date of arrival of orders( Air 5days, sea 2months - 10days)Once shipped, then calculate
2. Orders due today, yesterday, this week, last week,
3. Another general purpose dashboard to show orders due with direct item details...no login required for diz

**OTHER AREAS**  
There is always a PDF attachment to PO while creating

Received by: after Requisitioner ships to originator, received by needs to be filled by Requisitioner to show who received the goods  
  
**FEATURES**

1. user registration system
2. user management system (including adding, removing, active, inactive) also the approval of user by admin
3. creating an order from list of products. Adding quantity etc and description will be there too.
4. messaging system
5. invoicing system
6. notifications system
7. User type and user access level
8. Oportunity for Adhoc reports from admin
9. News feed system

**NEW UPDATES**

**Actors**

-System User

-Admin

- Requisitioner

-Manager

-Customer

-Supplier

-Consolidator

**System-User roles**

-Login

-Creates Customers

-Creates Suppliers

-Creates Consolidators

-Manages Products, Product-Types

-Generates Purchase-Orders

**Requisitioner Roles**

-Login

-Assigns Suppliers and Consolidators to Order Items

-On creation of Purchase-Order; Customer, transport-department, suppliers and consolidators are notified via email and thru other integrated communication channels

-On receipt of items received from the consolidator, the item is marked as delivered and the stake holders are notified

**Admin Roles**

-Login

-Approves Customers

-Approves Suppliers

-Approves Consolidators

**Supplier Roles**

-Login

-Manages the product inventory level

-Fulfills order items for the items in the orders assigned to the supplier, by marking them as to-be-shipped, for the consolidator. Corresponding consolidator for the order item is notified and other stake holders are also notified of the fulfillment.

**Consolidator Roles**

-Login

-Once the supplier marks an item as "ready-to-be-shipped", the consolidator on receipt of the items, marks as received and fills the container. Once the container is filled, the items in the container are shipped to the transport department.

**Customer Roles**

-Login

-Can see the status of the order made by the customer using the order-id