**KYARI - System Requirement Specification**

**🔹 Gaps / Questions to Confirm with Client**

**🔸 Users & Roles**

* **Will there only be Admin users, or do they want separate portals for:**
  + **Vendors (to submit invoices, track status)?**
  + **Customers (to check their order status)?**
* **Do they need role-based access (e.g., Finance Team can only see payment-related stuff)?**

**🔸 Product & Pricing**

* **Is the Product Master List predefined or entered fresh for every order?**
* **Do products have fixed prices, or can admins enter price each time?**
* **Do they need support for GST/Tax calculations at order level?**

**🔸 Vendor Involvement**

* **How will vendors be notified (email, SMS, portal login)?**
* **Will vendors upload invoices in the system or will admin manually enter them?**

**🔸 GRN (Goods Receipt Note)**

* **Who issues GRN — vendor or client?**
* **Do they want a GRN upload option (PDF scan upload)?**

**🔸 Payments**

* **Do they need integration with payment gateways (for vendor payouts), or just manual marking (“Paid”)?**
* **Should the system generate payment advice reports for finance?**

**🔸 Reports & Analytics**

* **Do they need dashboards/graphs (like monthly sales, outstanding vendor payments) or just downloadable reports?**
* **Any compliance reports (GST, TDS, etc.)?**

**🔸 Scale & Integrations**

* **Expected order volume per month?**
* **Any integration needed with ERP (like Tally/Zoho/SAP) or Courier APIs?**

**🔸 Future Roadmap**

* **Do they eventually want to extend this into a full OMS (customer portal, order tracking)?**
* **Or for now, is it just internal + vendor management?**

**🔹 End-to-End Flow You Need to Build**

**1. Customer Order Placement (Website)**

* Customer creates account & buys product on client’s website.
* Website captures: Customer details, product, qty, price, payment method.
* Website **sends the order data → OMS** (via API OR manual entry by Admin).

**2. Order Management (OMS – Admin Side)**

* OMS receives new order → creates an **internal Order ID** linked with Customer Code.
* Initial status = **Pending**.
* Admin can view it on the OMS dashboard.

**Status Flow (Customer Order Lifecycle in OMS):**

1. **Pending** → New order received.
2. **Confirmed** → Admin validates order.
3. **Packed / Waiting for Invoice** → Vendor notified, starts preparing shipment.
4. **Shipped** → Order dispatched by vendor.
5. **Delivered / Pending GRN QTY** → Goods delivered to customer, waiting for GRN.
6. **Cancelled/Returned** → Exception handling.

**3. Vendor Management (OMS – Vendor Side)**

Since stock is with **vendors (not in-house)**, OMS must track vendors.

**Vendor Invoice Flow:**

1. **GRN Checked / Vendor Invoice Pending** → Delivery confirmed, vendor needs to submit invoice.
2. **Invoice Submitted / Pending Approval** → Vendor uploads/submits invoice in OMS.
3. **Invoice Rejected / Resubmission** → If errors found.
4. **Invoice Approved** → Finance/Admin approves.
5. **Invoice Paid** → Vendor gets payment, order closed.

**4. Payments (Finance Team)**

* OMS allows Finance/Admin to mark invoices as **Paid**.
* Optionally: Export payment reports (Excel/PDF).
* No need to integrate with bank/payment gateway unless client specifically asks.

**5. Reporting & Analytics (Admin)**

* OMS should provide search/filter options:
  + By Customer Code
  + By Vendor Name
  + By Date Range
  + By Order/Invoice Status
* Reports downloadable in Excel/PDF.
* Dashboard highlights: Total Orders, Pending Orders, Vendor Payments Due.

**🔹 Simplified Flow (Step by Step)**

**Website:**  
Customer buys → Order captured

**OMS:**

1. Order enters OMS (Pending).
2. Admin validates (Confirmed).
3. Vendor prepares & ships (Shipped).
4. Customer receives (Delivered + GRN).

**Vendor Side:**  
5. Vendor submits invoice.  
6. Admin approves invoice.  
7. Finance pays vendor.

**Reports:**  
8. Admin/Finance generate reports on orders & payments.

✅ So what you have to make is essentially:

* **Admin Portal (OMS core system)**
* (Optional) **Vendor Portal** if they want vendors to log in and upload invoices.
* Integration layer so that **Website orders automatically push into OMS**.