Functional Requirements

| **No** | **Basic Function** | **Breakdown** | | |
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| **Id** | **Sub Functionality** | **Description** |
| A1 | Supplier Management | A1.1 | Create Supplier | User can create new Supplier records by entering relevant details such as name, address, and contact information. |
| A1.2 | View Supplier | User can view existing Supplier records to access their details and transaction history. |
| A1.3 | Update Supplier | User can update Supplier records to modify or add information as needed. |
| A1.4 | Delete Supplier | User can delete Supplier records. |
|  |  | A1.5 | Supplier Account Balance Management | User can track Supplier account balances, including receivables and payables. |
| A2 | Customer Management | A2.1 | Create Customer | User can create new customer records by entering relevant details such as name, address, and contact information. |
|  |  | A2.2 | View Customer | User can view existing customer records to access their details and transaction history. |
|  |  | A2.3 | Update Customer | User can update customer records to modify or add information as needed. |
|  |  | A2.4 | Delete Customer | User can delete customer records that are no longer needed. |
|  |  | A2.5 | Customer Account Balance Management | User can track customer account balances, including receivables and payables. |
| A3 | Subcontractors Management | A3.1 | Create Sub-Contractor | User can create new sub-contractor records by entering relevant details such as name, address, contact information and inventory details. |
|  |  | A3.2 | View Sub-Contractor | User can view existing sub-contractor records to access their details, transaction history and inventory details. |
|  |  | A3.3 | Update Sub-Contractor | User can update subcontractor records to modify or add information as needed. |
|  |  | A3.4 | Delete Sub-Contractor | User can delete sub-contractor records. |
|  |  | A3.5 | Sub-Contractor Account Balance Management | User can track subcontractor account balances, including receivables and payables. |
| B1 | Order Management | B1.1 | Create Order | User can create new orders by selecting existing customers or creating new customer records and entering order details. |
|  |  | B1.2 | View Order | User can view details of existing orders, including customer information, order items, and status. |
|  |  | B1.3 | Update Order | User can update existing orders to modify or add order items, quantities, or other details. |
|  |  | B1.4 | Delete Order | User can delete orders. |
| B2 | Pending Orders Management | B2.1 | List Pending Orders | User can view a list of pending orders awaiting processing, including details such as order ID, customer, and status. |
|  |  | B2.2 | Edit Pending Order | User can edit pending orders to make changes or updates before processing. |
|  |  | B2.3 | Delete Pending Order | User can delete pending orders that are no longer needed. |
|  |  | B2.4 | Complete Pending Order | User can mark pending orders as complete once they are processed and fulfilled. |
| B3 | Production Order Management | B3.1 | Select Pending Orders for Production | User can select pending orders and create production Order based on order priorities and availability of resources. |
|  |  | B3.2 | Check Material Availability | The system checks the availability of materials in inventory to ensure sufficient stock for production. |
|  |  | B3.3 | Generate Material Requirement List | If materials are insufficient, the system generates a list of required materials for production that needs to be procured. |
|  |  | B3.4 | Save Material Requirement List | User can save the material requirement list for further processing and procurement. |
| C1 | Material Management | C1.1 | Check Material Availability | User can request to check the inventory level of the sub-contractor and if it can meet production order or not. |
|  |  | C1.2 | Procure Raw Material | User can initiate procurement of raw materials by selecting vendors, materials, quantities, cost and destinations. |
| C2 | Incomplete Purchasing Orders | C2.1 | List Incomplete Purchasing Orders | User can view a list of incomplete purchasing orders awaiting processing, including details such as vendor, material, and quantity. |
|  |  | C2.2 | Delete Incomplete Order | User can delete incomplete purchasing orders. |
|  |  | C2.3 | Complete Incomplete Order | User can mark incomplete purchasing orders as complete once they are processed and fulfilled. And the system will be able to record transactions related to the orders. |
| C3 | Wire Drawing Order Management | C3.1 | Enter Wire Drawing Order Details | User can enter details such as quantity, gauge, and cost of wire drawing for a specific subcontractor. |
|  |  | C3.2 | Check Inventory for Drawing | The system checks the inventory of the selected subcontractor to ensure sufficient quantity for wire drawing. |
|  |  | C3.3 | Process Drawing Order | If the quantity is sufficient, the wire drawing order is processed and saved into the "Drawing in Progress" list. |
|  |  | C3.4 | Add Order to Drawing in Progress List | Successfully processed wire drawing orders are listed in the "Drawing in Progress" list for tracking and monitoring. |
| C4 | Wire Drawing Completion | C4.1 | Mark Drawing Order as Complete | Once the wire drawing process is physically completed and received, User can mark the drawing order as complete. |
|  |  | C4.2 | Update Inventory on Completion | The system updates the inventory to reflect the addition of drawn wires to the store inventory. |
|  |  | C4.3 | Verify Completion Status | The system verifies the completion status before updating the inventory to prevent errors. |
|  |  | C4.4 | Record Transaction | Completion of wire drawing orders is recorded as a transaction in the system for audit purposes. |
|  |  | C4.5 | Notify Inventory Update | User are notified of inventory updates, including quantity adjustments and stock availability. |
|  |  | C4.6 | Maintain Audit Trail | The system maintains an audit trail of inventory transactions and wire drawing completions for compliance and tracking purposes. |
| C5 | Store Inventory Management | C5.1 | Add Item | User can add item in store Inventory by providing necessary details of the item. |
|  |  | C5.2 | Inventory Reconciliation | User will be able to view stock in real-time and reconcile |
| D1 | General Ledger View | D1.1 | View Ledger Entries | Users can view the general ledger to see a summary of all recorded transactions. |
|  | Financial Reporting | D2.1 | General Reports | Users can generate basic financial reports such as trial balance and profit/loss statements. |