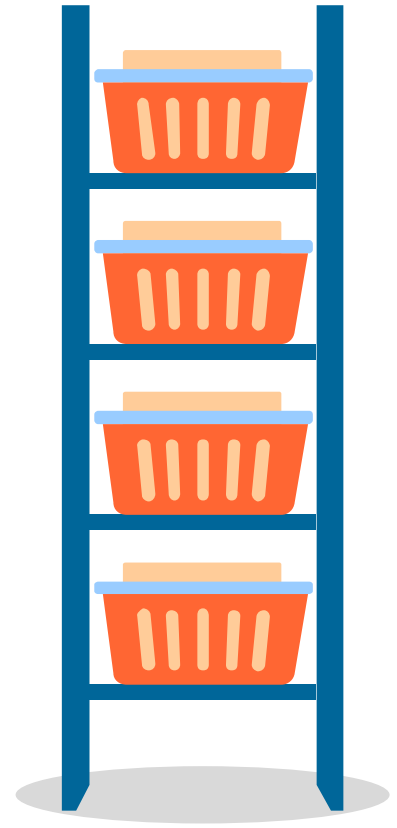
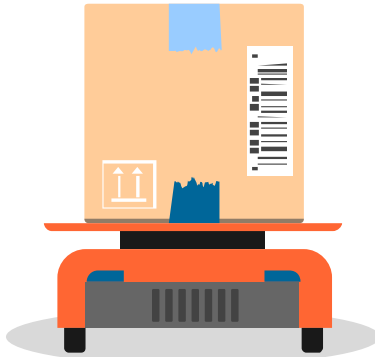
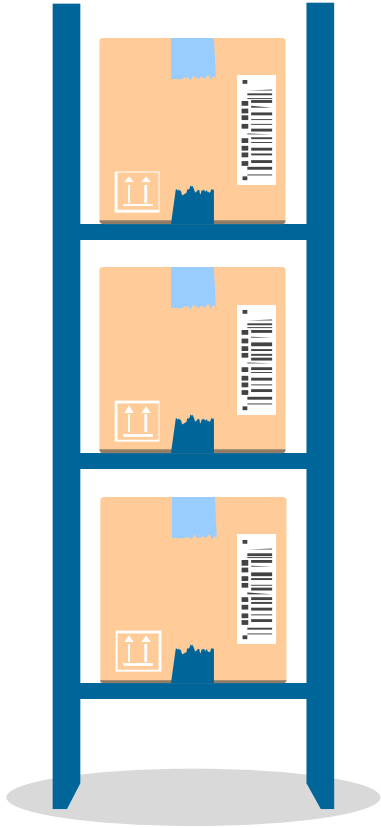


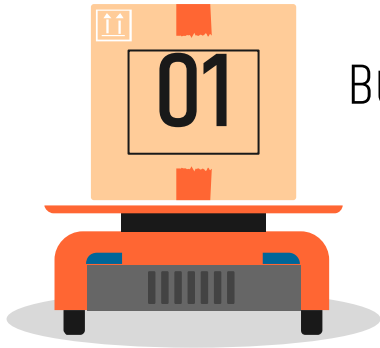
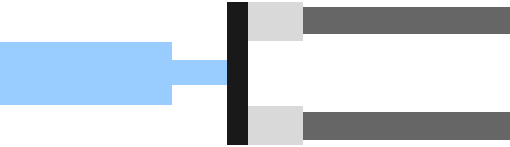
# IST 659 Project Proposal: **Inventory Management System**

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Asad | Rijul | Rohan

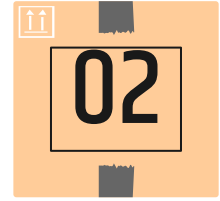


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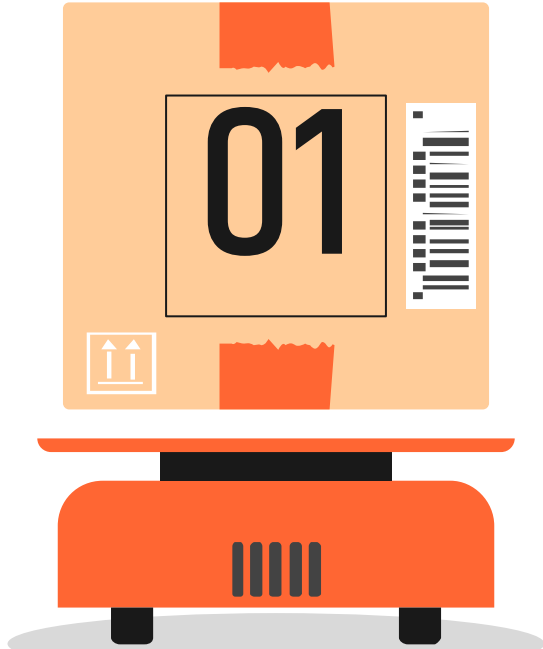


Proposed **Solution**

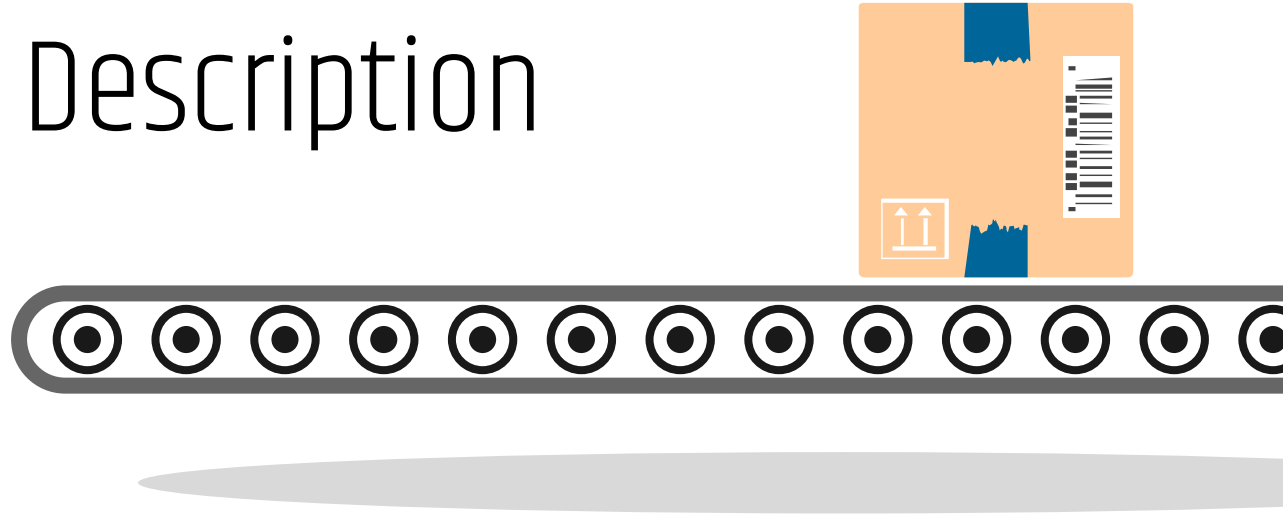


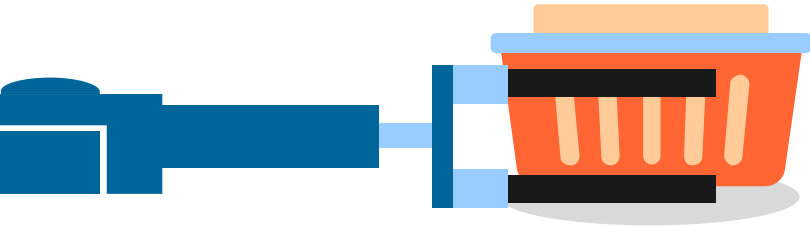
Entities & **Attributes**





# Business Description

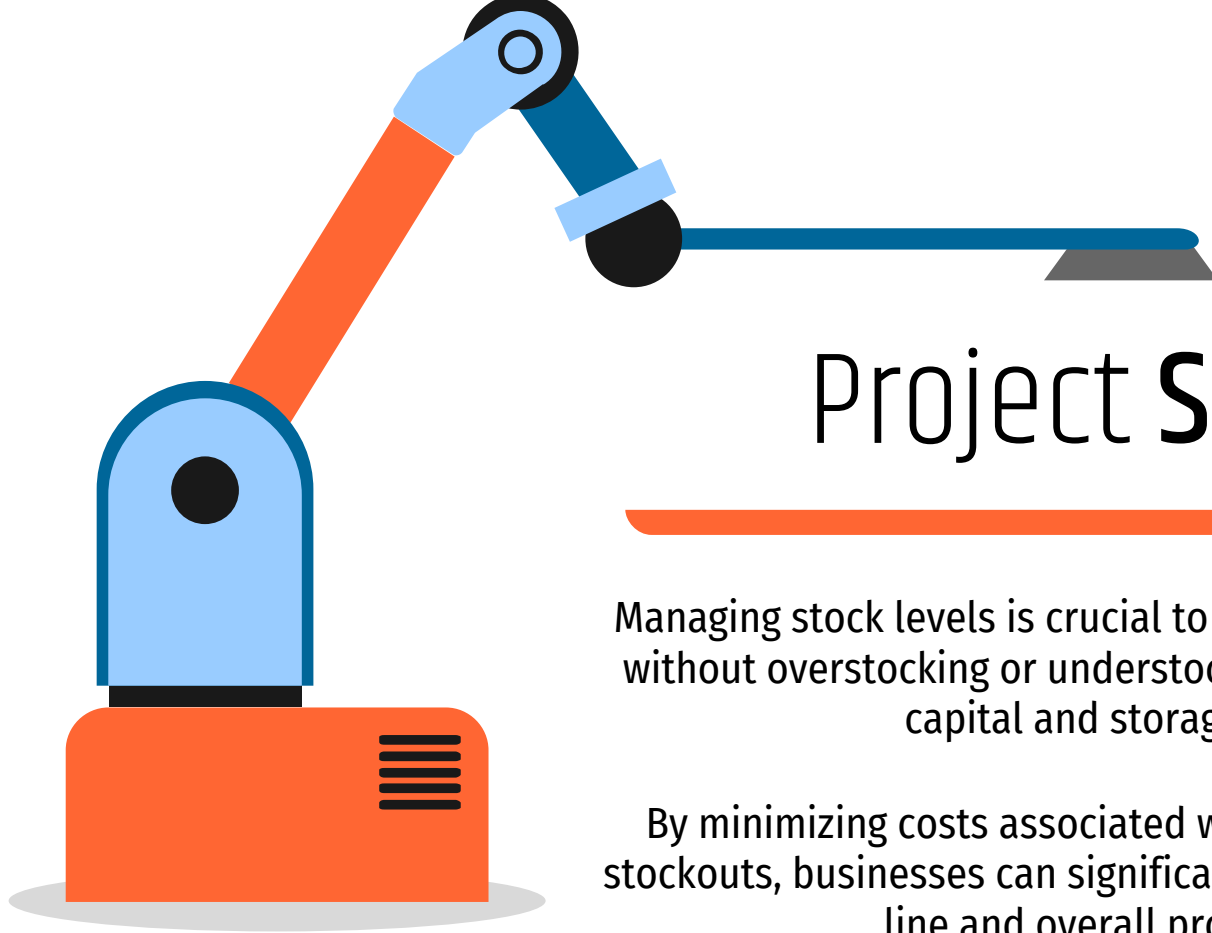




## Identifying the **Business Challenge**

Our project aims to create an efficient Inventory Management System and Stock Tracker for businesses, especially those dealing with physical products.

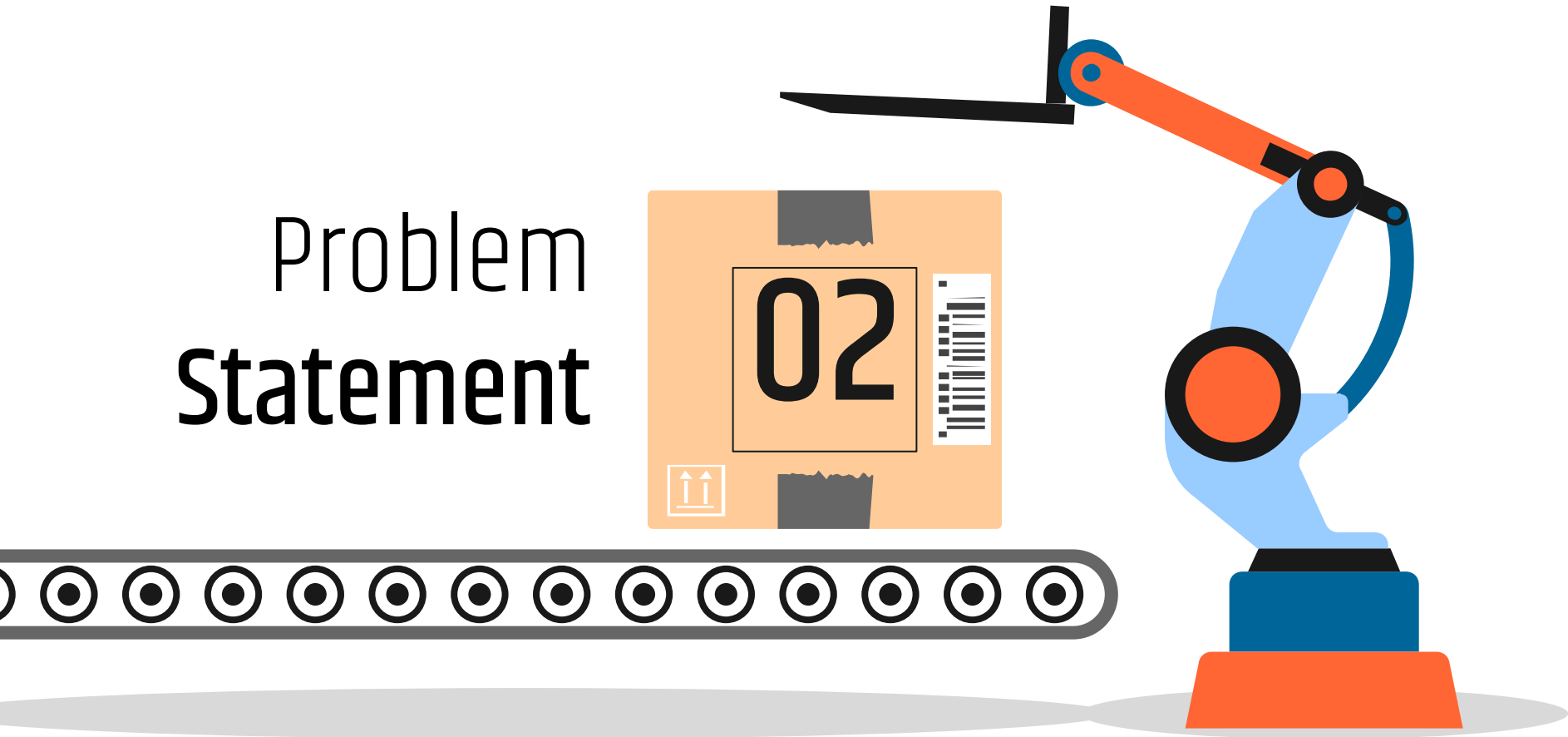




Managing stock levels is crucial to meet customer demands without overstocking or understocking, thereby optimizing capital and storage space.

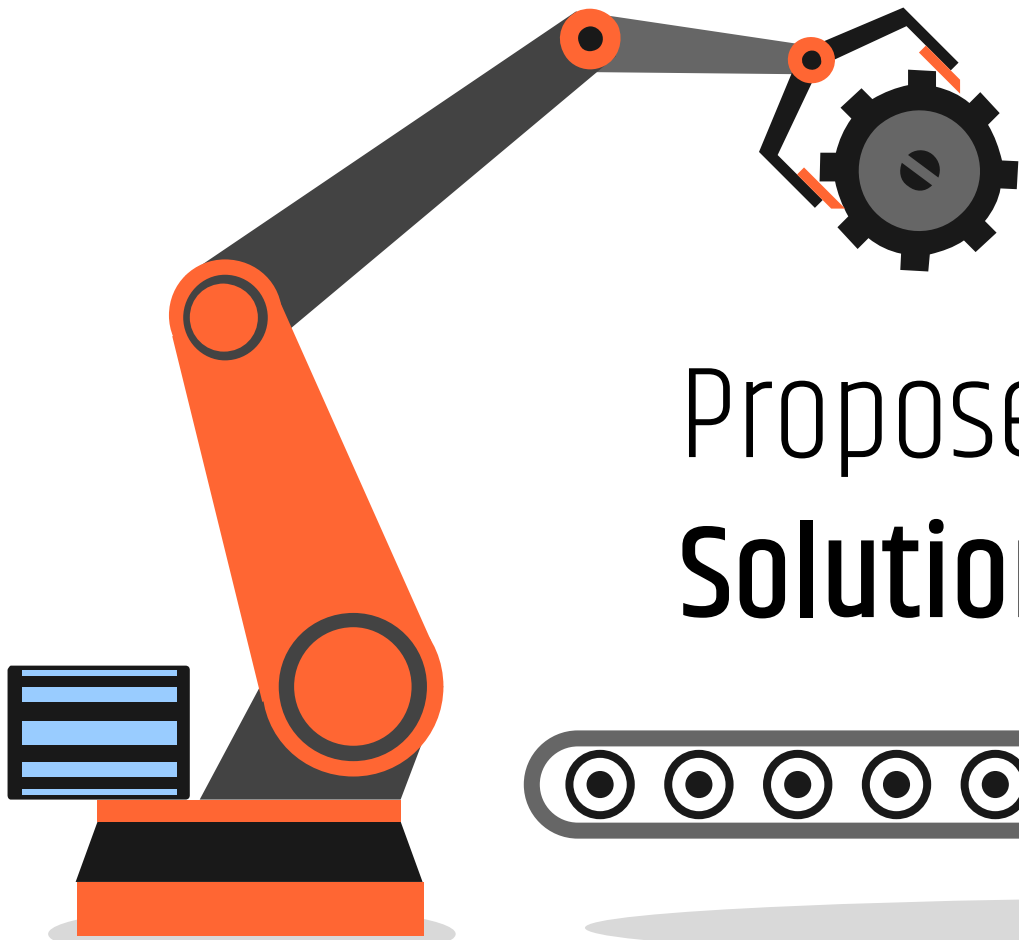
By minimizing costs associated with excess inventory or stockouts, businesses can significantly improve their bottom line and overall profitability.

# Problem Statement



# Problem Statement

1. Manual inventory processes lead to inaccuracies, stockouts, and overstocking, impacting profitability.
2. Existing systems often lack scalability, flexibility, and real-time tracking capabilities.
3. Absence of automated alerts hinders timely decision-making and responsiveness to market demands.
4. Inefficient inventory management impedes business growth and competitiveness.



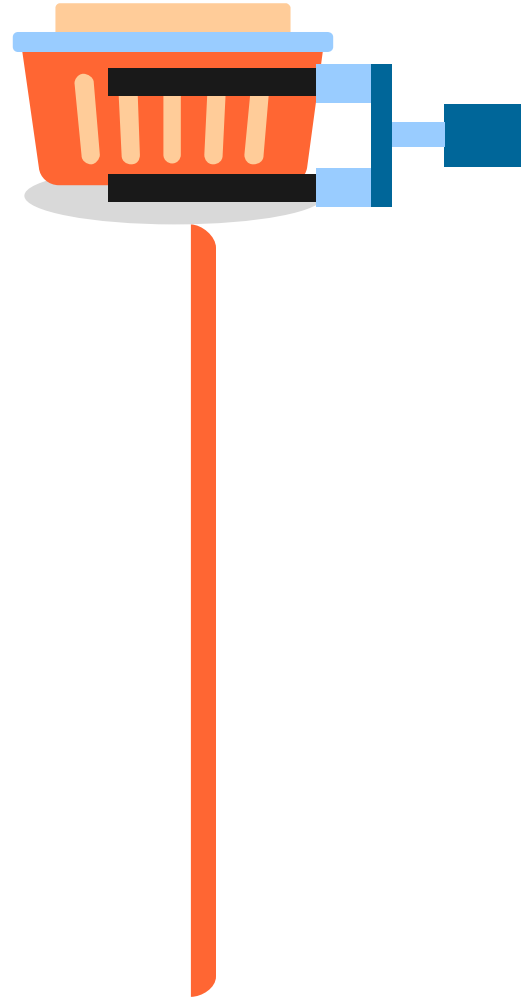
Proposed  
**Solution**

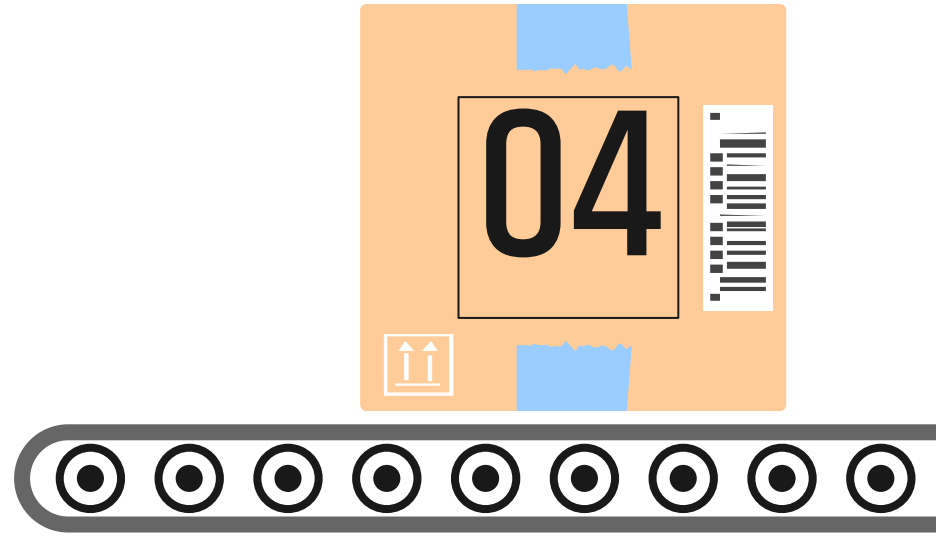
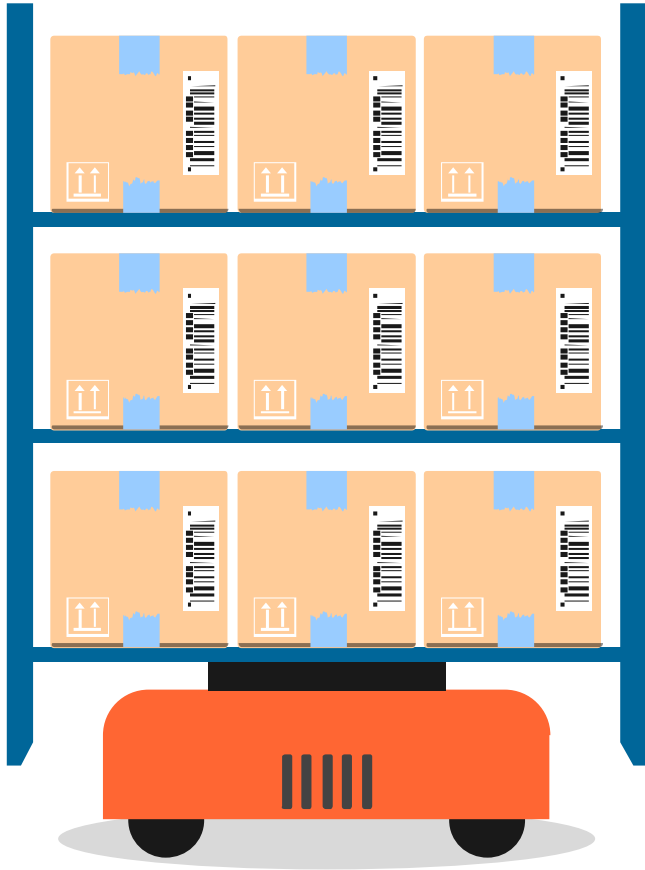




# Key Project Objectives

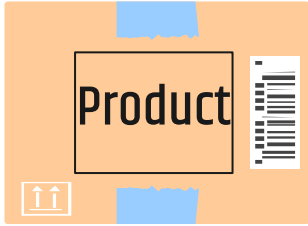
1. Real-time inventory tracking: Levels of stock, Location of stocks/warehouses.
2. Streamlined order processing: Order Tracking from placement to fulfillment to updates in the inventory
3. Alerts and notifications: Low stock level, overstocking, expiry, etc.
4. Reports and analysis: Reports on performance, inventory, sales, also learning trends in sales + warehousing.
5. UI interface and graphics/charts: Access controls and authorization, data security.



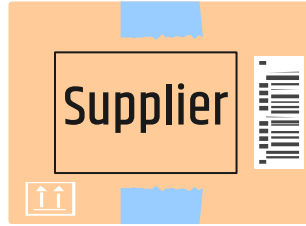


Entities &  
**Attributes**

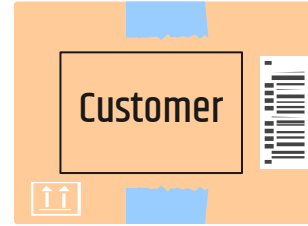
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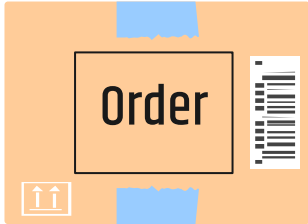
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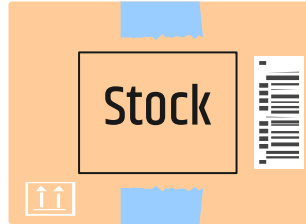
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Email, Address.



ID, Name, Phone, Email,,  
Address, Payment type



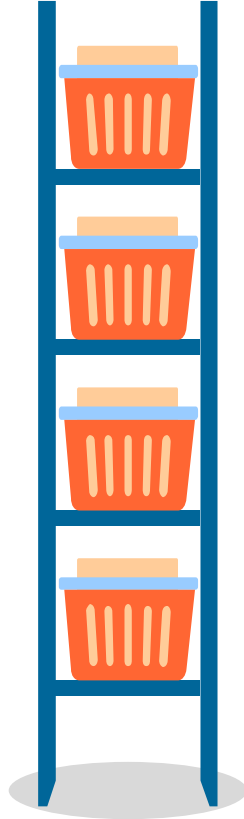
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Product ID, Quantity

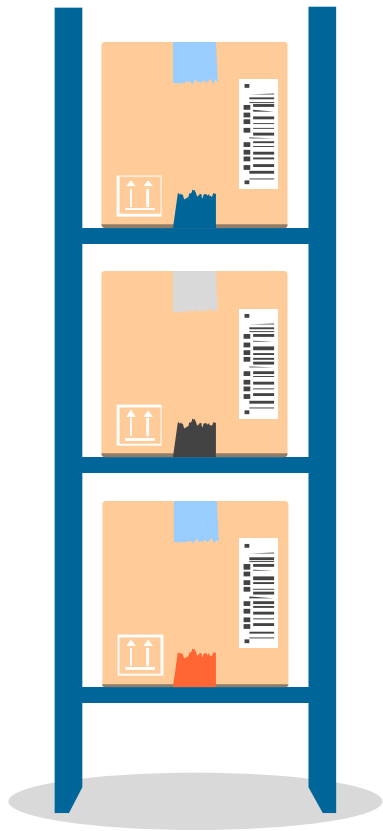


Product ID, Quantity,  
Location



ID, Location, Stock, Quantity





Thank You

