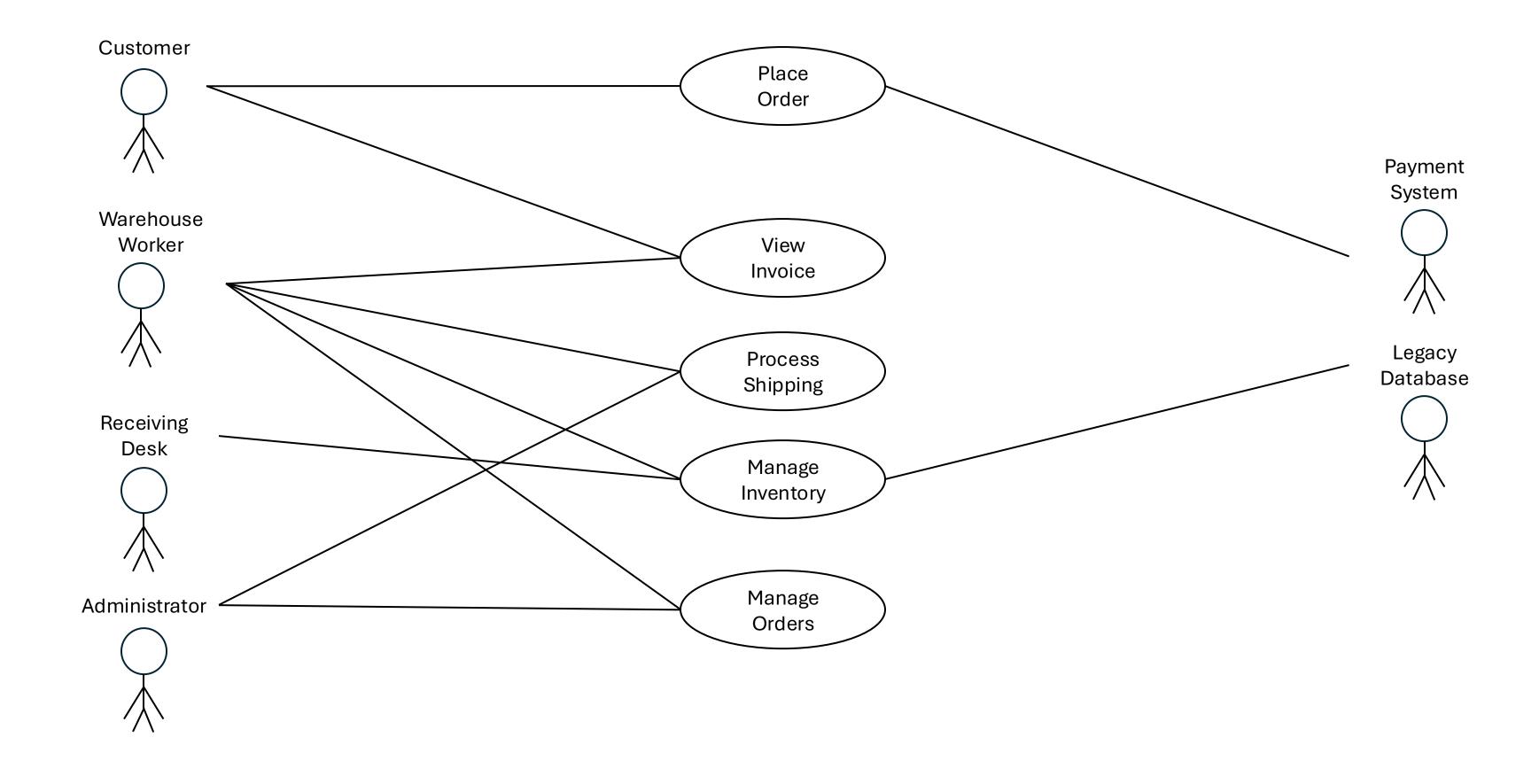# Use Case Diagram

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Actors Description

Actor	Description	Use Case(s)
Customer	An internet customer that can order parts from a catalog	Place order View invoice
Warehouse Worker	Responsible for packaging orders, adding invoices, and providing a shipping label	View invoice Process shipping Manage inventory Manage orders
Receiving Desk	Responsible for adding products to inventory	Manage inventory
Administrator	Authorized employee responsible for setting shipping and handling charges and can view orders	Process shipping Manage orders
Payment System	Responsible for authorizing credit card information	Place order
Legacy Database	Contains information regarding the parts available for sale	Manage inventory

Use Case Description
Place Order

Actors	Customer, Payment system
Description	The customer can select items to buy from a catalog. They provide their information to submit the order. Credit card information is authorized by a payment system.
Data	Customer's name, email, mailing address, and credit card information. Order contains list of purchased items, quantities, and their cost.
Stimulus	Customer selects submit order
Response	Confirmation that payment went through and a confirmation email is sent to the customer.
Comments	Each order has a unique order number

Use Case Description
View Invoice

Actors	Customer, Warehouse worker
Description	A customer can view invoice for their order after it is confirmed. A warehouse worker can add and view an invoice during the packaging of an order.
Data	List of purchased items, quantities, prices, subtotal, tax, shipping and handling fees, customer's name, mailing address, order number, contact information
Stimulus	Actor inputs order number to receive that order's invoice
Response	Display invoice
Comments	Each order invoice corresponds to a unique order number

Use Case Description
Process Shipping

Actors	Warehouse worker, Administrator
Description	A warehouse worker can print packing lists and add invoices and a shipping label to an order. An administrator can set the shipping and handling fees for orders.
Data	List of items in an order, shipping and handling costs.
Stimulus	Warehouse worker prepares order and updates order status to fulfilled.
Response	An email is sent to the customer to confirm that their order has shipped.
Comments	

Manage Inventory

Actors	Warehouse Worker, Receiving Desk, Legacy Database
Description	Warehouse Workers can add/remove inventory quantity as orders are processed. Receiving Desk can add inventory as new parts are delivered. This includes updating the existing part quantity, or adding new parts being sold. The Legacy Database contains information on all products offered by the company.
Data	Quantity of product being updated, new part number, new part description
Stimulus	Warehouse Worker prepares an order, or Receiving Desk confirms acceptance of part(s) receipt.
Response	System notification of successful quantity change, or addition of new part.
Comments	

Manage Orders

Actors	Warehouse Worker, Administrator
Description	Warehouse Workers and the Administrator can pull orders to be viewed, processed, and updated as needed. This includes search functionality such as open orders, date placed, and the overall order cost.
Data	Customer Order
Stimulus	Customer Order(s), Order Date, Order Status, Order Cost
Response	The requested customer order shows all details associated.
Comments	Separate from view invoice, should act as a search menu and be invoked like a SQL command.