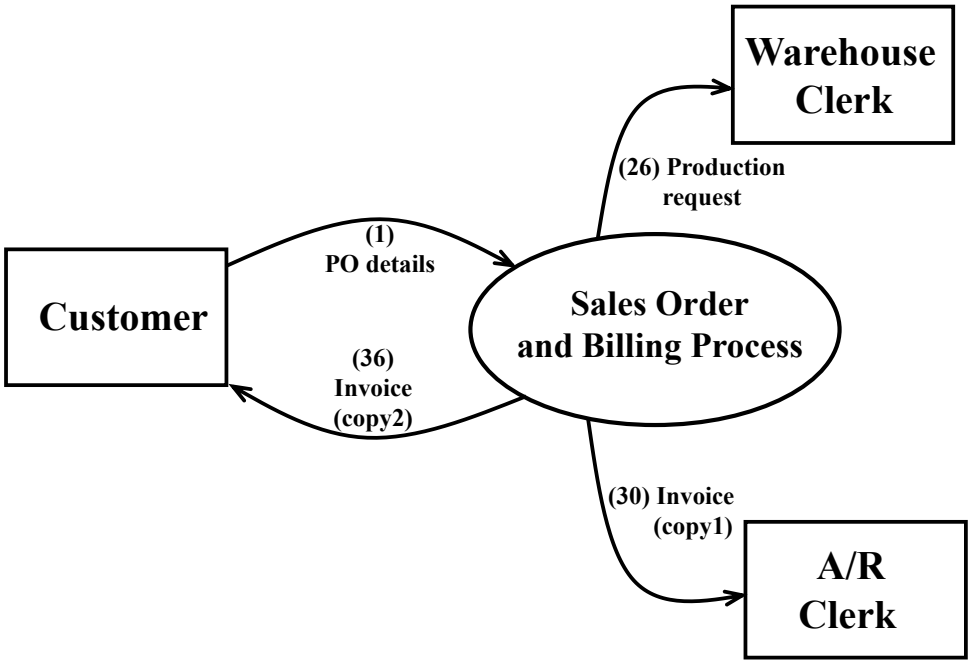
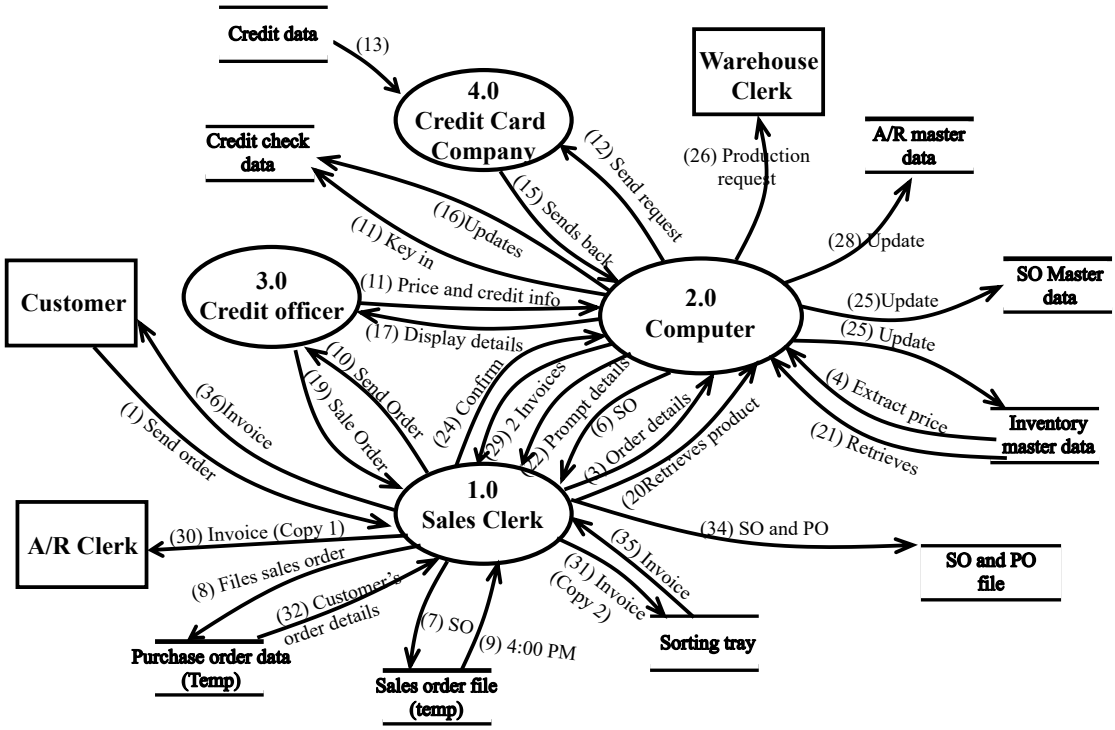
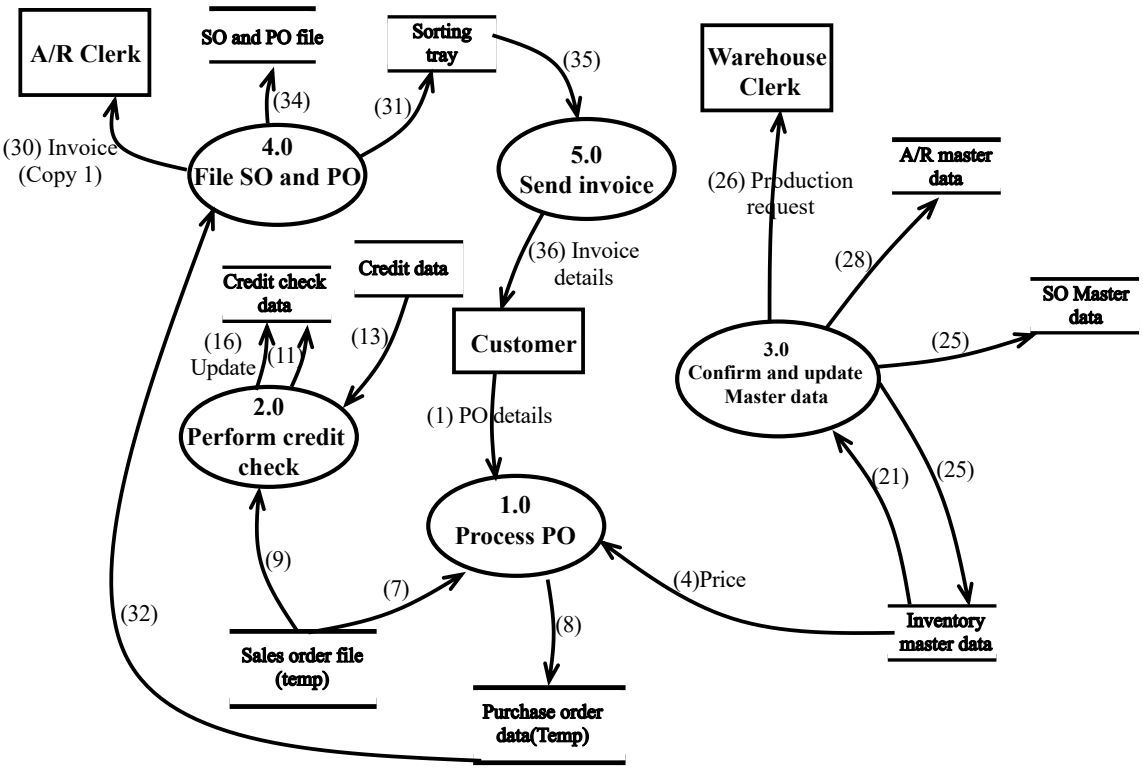
Entities	Para	Act.	Acivities	Groupings
Customer	2	1	Sends purchase order	1.0 Process purchase order
Sales clerk	2	2	Stamps the date and time of reciept onto the order	
Sales clerk	2	3	Enters order details	
Computer	2	4	Extracts particular price from **Inventory data store**	
Computer	2	5	Computes the total price of the order	
Computer	2	6	Prints sales order	
Sales clerk	2	7	Files sales order in proccessed **Sales order file** (temp) (implied)	
Sales clerk	2	8	Files original order in **Purchase order data store** (temp) (implied)	
Sales clerk	2	9	Retrieves order from **Sales order file** (temp) (implied)	2.0 Perform credit check
Sales clerk	2	10	Sends the order to the credit officer (at 4pm every day)	
Credit officer	3	11	Keys in price&Records credit card info in **Credit check data store**	
Computer	3	12	Sends authorization request to customer's credit card company	
Credit card Co.	3	13	Retrieves data from **own Credit data store** (implied)	
Credit card Co.	3	14	Verifies the validity and availability of funds on the credit card	
Credit card Co.	3	15	Sends back an electronic response	
Computer	3	16	Updates the **Credit check data store**	
Computer	3	17	Displays authorisation details	
Credit officer	3	18	Stamps credit approved on the slaes order and signs the dates	
Credit officer	3	19	Forwards sales order to sales clerk	3.0 Confirm and update master data
Sales Clerk	4	20	Retrieves product availability from **Inventory data store**	
Computer	4	21	Retrieves data from **inventory data store** (implied)	
Computer	4	22	Prompts (display) the sales clerk to confirm the details	
Sales clerk	5	23	Compares the displayed data with the approved sales order	
Sales clerk	5	24	Confirms the sales order in the computer	
Computer	5	25	Updates **sales order master data** and **inventory master data**	
Computer	5	26	Sends an electronic production request to the **warehouse clerk**	
Computer	6	27	Creates an invoice	
Computer	6	28	Updates the **Accounts receivable master data**	
Computer	6	29	Prints two copies of invoices and sends to sales clerk	
Sales clerk	6	30	Sends one copy of invoices to the **accounts receivale clerk**	4.0 File sales order and purchase order
Sales clerk	6	31	Places one copy of invoices in a **Sorting tray**	
Sales clerk	6	32	Retrieves order details from **Purchase order file** (temp)(implied)	
Sales clerk	6	33	Matches the sales order with the original purchase order	
Sales clerk	6	34	Files sales order and original purchase order in chronological order	
Sales clerk	6	35	Retrieves invoice in **Sorting tray** (at the end of day)	5.0 Send invoice
Sales clerk	6	36	Sends the invoice to the customer	

Context Diagram



Physical Diagram



Logical Diagram