WEEK 11

NAMA ANGGOTA KELOMPOK 5 :

Agym Dimas Tian	**(00000058149)**
Angeline Marcellina Chandrawijaya	**(00000057862)**
Benz Martheen W Jonash	**(00000059822)**
Jericho Alexander Gunawan	**(00000058345)**
Muhammad Alvin Versa	**(00000059444)**
Nicholas Suwandi Wijaya	**(00000057903)**
Rheinald Adyatma Rizqi Wibowo	**(00000058204)**

Normalization Process (UNF – 3NF)

UNF
Purchase Order (No. PO, Receiver Address, Order Sent, Date Ordered, Purchase Req No, {No, Product No, Description, Qty, Price, Amount }, Sub Total, Discount, Total, Prepared By, Approved By)

Receiving Report (No. Receive Report, Order No, Received From, Entered By, Receipt Date, {No, Product No, Description, Qty, Comments} Prepared By, Received By)

Sales Order (Invoice No, Date, Staff ID, Staff Name, Cust ID, Cust Name, {No, Item ID, Item Name, Qty, Unit Price, Amount}, Sub Total, Discount, Total)

Payment Receipt (Received From, Contact, Telephone, Paid Date, Payment Method, Check/CC No, Reference, Amount Paid, {Invoice No, Customer No, Invoice Date, Description, Payment Adj, Applied Amount})

1NF
Purchase Order (No. PO, Receiver Address, Order Sent, Date Ordered, Purchase Req No, , Prepare Name, Approval Name)
Detail PO (No, Product No, Description, Qty, Price, Amount)

Receiving Report (No. Receive Report, Order No, Received From, Entered By, Receipt Date, Prepared By, Received By)
Detail Report (No, Product No, Description, Qty, Comments)

Sales Order (Invoice No, Date, Staff ID, Staff Name, Cust ID, Cust Name, Sub Total, Discount, Total)
Detail SO (No, Item ID, Item Name, Qty, Unit Price, Amount)

Payment Receipt (Received From, Contact, Telephone, Paid Date, Payment Method, Check/CC No, Reference, Amount Paid)
Receipt Detail (Invoice No, Customer No, Invoice Date, Description, Payment Adj, Applied Amount)

2NF

Purchase Order (No. PO, Receiver Address, Order Sent, Date Ordered, Purchase Req No, , Prepare Name, Approval Name)

Detail PO (No, Product No, Description, Qty, Price, Amount)

Product (Product No, Description, Price)

Employee(Employee Name, Employee ID, Employee Position)

Receiver (Receiver Name, Receiver Address, City)

Receiving Report (No. Receive Report, Order No, Received From, Entered By, Receipt Date, Prepared By, Received By)

Detail Report (No, Product No, Description, Qty, Comments)

Sales Order (Invoice No, Date, Staff ID, Staff Name, Cust ID, Cust Name, Sub Total, Discount, Total)

Detail SO (No, Item ID, Item Name, Qty, Unit Price, Amount)

Item (Item ID, Item Name, Item Price)

Payment Receipt (Received From, Contact, Telephone, Paid Date, Payment Method, Check/CC No, Reference, Amount Paid)

Receipt Detail (Invoice No, Customer No, Invoice Date, Description, Payment Adj, Applied Amount)

3NF

Customer (Cust_ID, CustName, Street_Address City, State, ZipCode, Phone)

Employee (Employee ID, Employee Name, Employee Position, Department)

Product (Product No, Description, Price)

Purchase Order (PO No, Date Ordered, Sent_ ate, Purchase Req No, SupplierName, Prepared By, Approved By)

 Purchase Order Detail (PO No, Product No, Qty, Price, Amount)

Item(ItemID, Unit Price)

Sales Order(Invoice No, Date, Staff ID, Cust Number)

Sales Order Detail (Invoice No, ItemID, Qty, Unit Price, Amount)

Payment Receipt(Receipt No, Invoice No, Paid Date, Payment Method, Check/CC No, Reference, Amount Paid, description, Payment Adj, Applied Amount, Cust Number)

Create ER Modelling based on result of 3NF table

ReceiptDetail
PK	ReceiptNo
FK	InvoiceNo
	Description
	PaymentAmt
	AppliedAmount

SalesOrder
PK	InvoiceNo
FK	EmployeeID
FK	CustID
	Date

SalesOrderDetail
PK	Invoice_No
FK	ItemID
	Qty
	UnitPrice

Item
PK	ItemID
	ItemName
	Price

ReceivingReport
PK	ReportNo
	PO_No
FK	EmployeeID
	ReceiptDate

DetailReport
FK	ReportNo
	PoNo
	Comments

Employee
PK	EmployeeID
	EmployeeName
	Position
	Department

PurchaseOrder
PK	PO_No
	DateOrder
	SupplierID
	PurchaseReqNo
	DateOrdered
	DateSend
FK	EmployeeID

PurchaseOrderDetail
PK, FK	PO_No
FK	ProductNo
	Qty
	Price

Product
PK	ProductNo
	Description
	Price

Customer
PK	CustID
	CustName
	CustAddress
	City
	State
	ZipCode
	CustPhone

PaymentReceipt
PK	ReceiptNo
	CustID
	PaidDate
FK	PaymentMethodID
	Check/CC_No
	Reference
	AmountPaid

PaymentMethod
PK	PaymentMethodID
	PaymentMethod

Supplier
PK	SupplierID
	SupplierName
	SupplierAddress
	City