**ER TO Relational Final**

1.**SUPPLIER** (SupplierID,SupplierName,Street,City,State,Country,PostalCode,ContactName,ContactDesignation)

2.**SUPPLIER\_PHONE** (SupplierID, PhoneNo)

FOREIGN KEY (SupplierID) references SUPPLIER(SupplierID)

3.**SUPPLIER\_EMAIL** (SupplierID, Email)

FOREIGN KEY (SupplierID) references SUPPLIER(SupplierID)

4.**SUPPLYORDER**(SupplyorderID, SupplyPrice, TotalValue, SupOrderDate, ItemName, PaymentInfo, NoofLineitems, ExpectedSupDeliveryDate, SupplierID)

FOREIGN KEY (SupplierID) references SUPPLIER(SupplierID)

5.**SUPPLYINVENTORY**(SupplyInvID, InventoryName, UnitsInStock, Street, City, State, Country, PostalCode)

6.**SUPPLYORDERDETAILS**(SupplyOrderID,SupplyInvID,LineItemID,Quantity,TotalSupOrderValue, PricePerUnit)

FOREIGN KEY (SupplyInvID) references SUPPLY\_INVENTORY(SupplyInvID)

FOREIGN KEY (SupplyorderID) references SUPPLYORDER(SupplyorderID)

7. **USEDBY** (SuppInvID, UnitID)

FOREIGN KEY (SupplyInvID) references SUPPLY\_INVENTORY(SupplyInvID)

FOREIGN KEY(UnitID) references MANUFACTURING UNIT(UnitID)

8.**MANUFACTURINGUNIT**(UnitID, UnitName, Location, FacilitySize, ProductionCapacity, Status)

9.**MANUFACTURES** (UnitID, ProductID)

FOREIGN KEY(UnitID) references MANUFACTURING UNIT(UnitID)

FOREIGN KEY(ProductID) references PRODUCTS(ProductID)

10.**PRODUCT** (ProductID, ProductName, UnitPrice, Description, Weight, subCategoryId)

FOREIGN KEY (subCategoryId) references **SUBCATEGORY(**subCategoryID**)**

11.**SUBCATEGORY**(subCategoryID,CategoryID,subCategoryName)

FOREIGN KEY (CategoryID) references Category(CategoryID)

12. **CATEGORY** (CategoryID, CategoryName. Description)

13.**WAREHOUSE** (WarehouseId, UnitsInStock, WarehouseName, Capacity, Discontinued, Location, WarehouseWorkerTeamID)

Foreign key (WarehouseWorkerTeamID) REFERENCES WAREHOUSEWORKERTEAM (WarehouseWorkerTeamID)

14.**WAREHOUSINGDETAILS** (ProductId, WarehouseId,ProductWarehouseId, WhReorderLevel)

Foreign key PRODUCT (ProductId) REFERENCES PRODUCT (ProductId )

Foreign key WAREHOUSE (WarehouseId) REFERENCES WAREHOUSE (WarehouseId)

15. **SHIPMENT** (ShipmentID, WarehouseID, CarrierID, TrackingNumber, ShipmentDate, ArrivalDate, ShipmentStatus, ShipmentType, ShipmentWeight)

Foreign key (CarrierID) REFERENCES CARRIER (CarrierID)

Foreign key (WarehouseId) REFERENCES WAREHOUSE(WarehouseId)

16.**CARRIER** (CarrierID, CarrierName, Region)

17.**EQUIPMENT**(EquipmentID, ModelNumber, EquipmentName, Manufacturer, Type, MaintenanceFreq, UnitId)

FOREIGN KEY (UnitId) REFERENCES MANUFACTURINGUNIT (UnitID)

18.**MAINTENANCESCHEDULE**(ScheduleID, EquipmentID, MaintenanceType, StartDate, EndDate)

Foreign key (EquipmentID) REFERENCES EQUIPMENT (EquipmentID)

19.**CUSTOMER**(CustomerID, CustomerName, ContactNumber, EmailID, CreditLimit, ShippingAddress, PaymentID)

Foreign key (PaymentID) REFERENCES PAYMENTMENTHOD (PaymentID)

20.**REVIEWDETAILS** (ProductID,CustomerID, ReviewNo, ReviewText, ReviewTitle, Rating)

Foreign key (ProductID) REFERENCES PRODUCT (ProductID)

Foreign key (CustomerID) REFERENCES CUSTOMER (CustomerID)

21.**PAYMENTMETHOD**(PaymentID, Description, PaymentGateway, PaymentType)

22. **PAYMENTCURRENCY**(PaymentID, Currency)

Foreign key (PaymnetID) REFERENCES **PAYMENTMETHOD**(PaymentID)

23.**ORDERS** (OrderID, OrderTotalValue, ExpectedDeliveryDate, OrderDate, OrderType, CustomerID)

Foreign key CustomerID REFERENCES CUSTOMER (CustomerID)

24.**ORDERDETAILS** (ProductID,OrderID,OrderItemID,OrderItems,OrderDate,ODTotalValue)

Foreign key (OrderID) REFERENCES ORDERS(OrderID)

Foreign key (ProductID) REFERENCES PRODUCT (ProductID)

25.**OFFLINEORDER**(OrderID,EmployeeID)

FOREIGN KEY (OrderID) references ORDERS(OrderID)

FOREIGN KEY(EmployeeID) references SALESREPRESENTATIVE(EmployeeID)

26. **ONLINEORDER** (OrderID)

FOREIGN KEY (OrderID) references ORDERS(OrderID)

27.**SALESREPRESENTATIVE**(EmployeeID)

FOREIGN KEY(EmployeeID) references EMPLOYEES(EmployeeID)

28.**TERRITORY**(TerritoryID,TerritoryName,ExpectedRevenue,Region)

29.**EMPLOYEE**(EmployeeID, Email, FirstName,LastName,DepartmentID, EmployeeType)

FOREIGN KEY(DepartmentID) references DEPARTMENT(DepartmentID)

29.**EMPLOYEEPHONE**(EmployeeID,EmpPhone)

FOREIGN KEY(EmployeeID) references EMPLOYEE (EmployeeID)

30.**DEPARTMENT**(DepartmentID,DepartmentName,DepartmentHead)

31.**WAREHOUSEWORKERS** (EmployeeID)

FOREIGN KEY(EmployeeID) references EMPLOYEE (EmployeeID)

32. **CONSISTS\_PACKER**( EmployeeID, WarehouseWorkerTeamID)

FOREIGN KEY(WarehouseWorkerTeamID) references WarehouseWorkerTeam (WarehouseWorkerTeamID)

33.**CONSISTS\_FORKLIFTOPERATOR**( EmployeeID, WarehouseWorkerTeamID)

FOREIGN KEY(WarehouseWorkerTeamID) references WarehouseWorkerTeam (WarehouseWorkerTeamID)

34.**CONSISTS\_SHIPPINGCLERK**( EmployeeID, WarehouseWorkerTeamID)

FOREIGN KEY(WarehouseWorkerTeamID) references WarehouseWorkerTeam (WarehouseWorkerTeamID )

35.**CONSISTS\_SUPERVISOR**( EmployeeID, WarehouseWorkerTeamID)

FOREIGN KEY(WarehouseWorkerTeamID) references WarehouseWorkerTeam (WarehouseWorkerTeamID )

36.**CONSISTS\_QUALITYCONTROLINSPECTOR**( EmployeeID, WarehouseWorkerTeamID)

FOREIGN KEY(WarehouseWorkerTeamID) references WarehouseWorkerTeam (WarehouseWorkerTeamID )

**37.CONSISTS\_WAREHOUSEMANAGER(** EmployeeID, WarehouseWorkerTeamID**)**

FOREIGN KEY(WarehouseWorkerTeamID) references WarehouseWorkerTeam (WarehouseWorkerTeamID )

38. **WAREHOUSEWORKERTEAM** (WarehouseWorkerTeamID, WarehouseWorkerTeamName)

39.**HANDLES** (EmployeeID, TerritoryID)

FOREIGN KEY(EmployeeID) references SALESREPRESENTATIVE (EmployeeID)

FOREIGN KEY(TerritoryID) references TERRITORY(TerritoryID)