

Attributes of Entity Types and Relationships

- **DEPARTMENT:** Dep_Type, Dept_Email, Dept_Phone
- **LOCATION:** Loc_ID, Location_Email, Location_Phone, Location_Address (Street_Address, City, State, ZipCode), Customer_Relation_Email, Customer_Relation_Phone
 - **OFFICE:** Office_Address(Street_Address, City, State, ZipCode), Office_Email, Office_Phone
 - **WAREHOUSE:** WHouse_Address(Street_Address, City, State, ZipCode), WHouse_Email, WHouse_Phone
 - **FACTORY:** Factory_Address(Street_Address, City, State, ZipCode), Factory_Email, Factory_Phone
 - **INTERNAL_SHIPMENT:** {Container(Container_Id, Description)}, Status
- **SALES_REGION:** Region_Name, Region_Description
- **EMPLOYEE:** Emp_ID, Employee_Name(First_Name, Middle_Name, Last_Name), Role, Employee_Address(Street_Address, City, State, ZipCode), {Benefits}, {Claimed Exemptions}, Marital_Status, Extra_Withholding
 - **SALES:** Commission_Percentage, Base_Pay, { Monthly_Sales(Amount, Month_Year) }
 - **HOURLY:** Hourly_Pay, Expected_Hours, { Week_Record(Sunday_Date, Base_Hours_Worked, Overtime_Hours, Shift_Differentials) }
 - **SALARY:** Base_Pay
- **DEPENDENT:** Dep_ID, Dep_Name(First_Name, Middle_Name, Last_Name), Relationship
- **ORDER:** Order_Num, Cost, Products, Placement_Method, Status
- **INVOICE:** Inv_Num, Base_Cost, Sales_Tax, Discount_Amount, Due_Date, Late_Fees, Shipping_Cost (derived from shipment fees in SHIPMENT)
- **COUPON:** Code, Expiry_Date, Details
- **CUSTOMER:** Customer_ID, CName, { Contact_Person(Name, Phone, Address, Email) }, First_Purchase_Date, Tax_Exemptions
- **REQUEST:** Request_Num, Date, Time
 - **SURVEY:** Deadline, Salesperson, {Section({Details(Question, Answer)}) }
 - **INQUIRY:** Nature, Description, Status
 - **COMPLAINT:** Nature, Description, Discount_Given, Status
- **PART:** Part_Num
- **SHIPMENT:** Shipment_ID, Date, Time, Method_of_Shipment, Shipment_Fee

- **PRODUCT:** Product_Num, Cost
 - **STEP:** Step_Num, Details, ExpectedTime
- **INVENTORY:** Quantity, Reorder_Point
- **ASSEMBLY:** Start_Time, End_Time

- **PARTS_PURCHASE:** Purchase_Num, Date, Manufacturer, Quantity_Ordered, Cost

- **ACCOUNT:** Acc_Name, Acc_Type
- **JOURNAL_TRANSACTION:** Day_Time, Debit_or_Credit

Legend: {} Multi-valued, () Composite, Identifier

Assumptions in addition to those in Milestone 1:

- Purchasing Agent works for the Purchasing Department
- Assembly Person works for the Assembly Department
- Account Type has domain: { Taxes, Asset, Liability, Stockholders' Equity, Operating Revenues, Operating Expenses, Other Revenues, Other Expenses, Other }