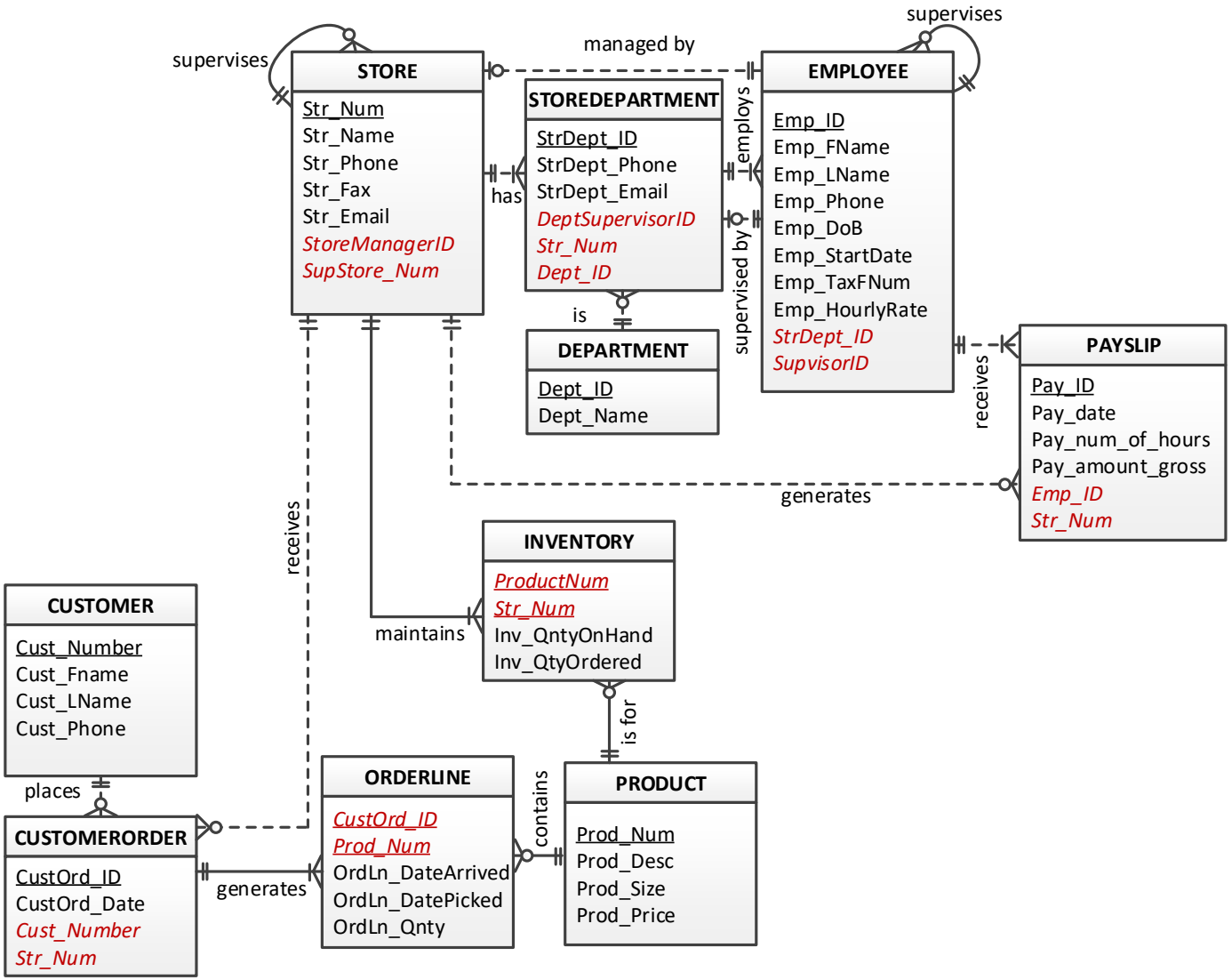
Assignment Part 2 Specification

Entity Relationship Diagram for BigM:



Assignment Part 2 Specification

Relational Database Schema for BigM:

Relation	Attributes	Data type	Comment
CUSTOMER	Cust_Number	INT	Primary Key, Auto Increase
	Cust_FName	VARCHAR(30)	e.g., Mohammad, John, etc.
	Cust_LName	VARCHAR(30)	e.g., Awrangjeb, Wang, etc.
	Cust_Phone	CHAR(10)	Includes area code
DEPARTMENT	Dept_ID	INT	Primary Key, Auto Increase
	Dept_Name	VARCHAR(40)	e.g., Sales, Training, Payroll
STORE	Str_Num	INT	Primary Key, Auto Increase
	Str_Name	VARCHAR(50)	e.g., BigM Underwood
	Str_Phone	CHAR(10)	Includes area code
	Str_Fax	CHAR(10)	Includes area code
	Str_Email	VARCHAR(40)	e.g., bigm.redbank@bigm.com.au, etc.
	StoreManagerID	INT	Foreign key reference EMPLOYEE(Emp_ID)
	SupStore_Num	INT	Foreign key reference STORE(Str_Num)
STOREDEPARTMENT	StrDept_ID	INT	Primary Key, Auto Increase
	StrDept_Phone	CHAR(10)	Includes area code
	StrDept_Email	VARCHAR(40)	Store1Depatment1@bigm.com.au
	DeptSupervisorID	INT	Foreign key reference EMPLOYEE(Emp_ID)
	Str_Num	INT	Foreign key reference STORE(Str_Num)
	Dept_ID	INT	Foreign key reference DEPARTMENT (Dept_ID)
EMPLOYEE	Emp_ID	INT	Primary Key, Auto Increase
	Emp_FName	VARCHAR(30)	e.g., Mohammad, John, etc.
	Emp_LName	VARCHAR(30)	e.g., Awrangjeb, Smith, etc.
	Emp_Phone	CHAR(10)	Includes area code
	Emp_DoB	DATE	Format: ‘YYYY-MM-DD’
	Emp_StartDate	DATE	Format: ‘YYYY-MM-DD’
	Emp_TaxFNum	CHAR(15)	e.g., ‘123456789101’
	Emp_HourlySalary	DECIMAL(10,2)	e.g., 58.50
	StrDept_ID	INT	Foreign key reference STOREDEPARTMENT (StrDept_ID)

Assignment Part 2 Specification

	SupvisorID	INT	Foreign key reference EMPLOYEE(Emp_ID)
PAYSLIP	Pay_ID	INT	Primary Key, Auto Increase
	Pay_date	DATE	Format: 'YYYY-MM-DD'
	Pay_num_of_hours	DECIMAL(4,2)	e.g., 35.50
	Pay_amount_gross	DECIMAL(6,2)	e.g., 345.35
	Emp_ID	INT	Foreign key reference EMPLOYEE(Emp_ID)
	Str_Num	INT	Foreign key reference STORE(Str_Num)
PRODUCT	Prod_Num	INT	Primary Key, Auto Increase
	Prod_Desc	VARCHAR(50)	e.g., Pant for man, skirt for girl
	Prod_Size	VARCHAR(10)	e.g., Large, Medium, XL, 14, etc.
	Prod_Price	DECIMAL(4,2)	e.g., 10.50
INVENTORY	ProductNum	INT	Primary Key, Foreign key reference PRODUCT (Prod_Num)
	Str_Num	INT	Primary Key, Foreign key reference STORE (Str_Num)
	Inv_QntyOnHand	INT	e.g., 100, 2005, etc.
	Inv_QtyOrdered	INT	e.g., 5, 20, etc.
CUSTOMERORDER	CustOrd_ID	INT	Primary Key, Auto Increase
	CustOrd_Date	DATE	Format: 'YYYY-MM-DD'
	Cust_Number	INT	Foreign key reference CUSTOMER (Cust_Number)
	Str_Num	INT	Foreign key reference STORE (Str_Num)
ORDERLINE	CustOrd_ID	INT	Primary Key, Foreign key reference CUSTOMERORDER (CustOrd_ID)
	Prod_Num	INT	Primary Key, Foreign key reference PRODUCT (Prod_Num)
	OrdLn_DateArrived	DATE	Format: 'YYYY-MM-DD'
	OrdLn_DatePicked	DATE	Format: 'YYYY-MM-DD'
	OrdLn_Qnty	INT	e.g., 2, 4, 5, etc.