

## Company

- **AddMainCompany:** (MainCompanyID Serial primary\_key), (CompanyName varchar(200) not null), (Date\_created TIMESTAMP not\_null), logo (binary image),
- **List**

## Users:

- **AddUsers:** userID serial primary key, MainCompanyID(INT not null unchangeable)) , username varchar not null, password varchar(256) not null, createdAt TIMESTAMP, RoleID varchar NOT NULL  
FOREIGN KEY (MainCompanyID ) REFERENCES AddMainCompany (MainCompanyID ) ,  
FOREIGN KEY (RoleID) REFERENCES AddRoles (RoleID),
- **List**

## Roles

- **AddRoles:** (RoleID serial primary key),MainCompanyID(INT not null unchangeable)) (RoleName varchar(100) not null), RolePriviledge(int, not null), createdAt TIMESTAMP  
FOREIGN KEY (MainCompanyID ) REFERENCES AddMainCompany (MainCompanyID ) ,
- **List**

## Sales

- **Customer**
  - AddCustomer: (CustomerID serial primary key,MainCompanyID(INT not null unchangeable), CustomerCompany varchar (200) not null unique, Company\_contact\_person not null, varchar(100), Contact\_number1 NUMERIC not\_null 11-digit, Contact\_number2 NUMERIC, email varchar(100), Address varchar(256), Old\_Due(NUMERIC not null default 0)), created\_at (TIMESTAMP)  
  
FOREIGN KEY (MainCompanyID ) REFERENCES AddMainCompany (MainCompanyID),
  - List
- **New sales**
  - **Sales order**
    - **AddSalesOrders:** (SalesOrderID serial primary\_key, MainCompanyID int not null unchangable,CustomerID not null INT, CustomerCompany not null varchar, Sales\_type not null varchar(20),SalesAgent not null varchar(200), Total\_amount not null INT, status default pending not null varchar (50)), created\_at TIMESTAMP  
FOREIGN KEY (CustomerID) REFERENCES AddCustomer(CustomerID),  
FOREIGN KEY (SalesAgent) REFERENCES AddEmployee(EmployeeID),  
FOREIGN KEY (MainCompanyID ) REFERENCES AddMainCompany (MainCompanyID )
    - **List (edit, delete)**

- **Order details**
  - **AddOrderDetails:** (SalesOrderDetailID serial primary key, MainCompanyID int not null unchangeable), SalesOrderID INT NOT NULL, ProductCategoryID INT NOT NULL, ProductCategoryName varchar(150) not null, ProductSubCategoryID INT not null, ProductSubCategoryName varchar(256) not null, Quantity INT NOT NULL, Unit VARCHAR(12) not null, UnitPrice DECIMAL(10, 2) NOT NULL, TotalPrice DECIMAL(10, 2) NOT NULL, Description TEXT, created\_at TIMESTAMP  
FOREIGN KEY (SalesOrderID) REFERENCES AddSalesOrders (SalesOrderID)  
FOREIGN KEY (ProductCategoryID) REFERENCES AddProductCategory (ProductCategoryID)  
FOREIGN KEY (ProductSubCategoryID) REFERENCES AddProductSubCategory (ProductSubCategoryID)  
FOREIGN KEY (MainCompanyID ) REFERENCES AddMainCompany (MainCompanyID ),
  - **list(edit,delete)**
- **AddPaymentVoucher**
  - **AddPayment:** (PaymentID SERIAL PRIMARY KEY, MainCompanyID int not null unchangeable, SalesOrderID INT NOT NULL, PaymentDate DATE NOT NULL, Amount DECIMAL(10, 2) NOT NULL,Received\_by varchar not null, created\_at (TIMESTAMP)  
FOREIGN KEY (SalesOrderID) REFERENCES AddSalesOrders (SalesOrderID)  
FOREIGN KEY (Received\_by) REFERENCES AddEmployee(EmployeeID),  
  
FOREIGN KEY (MainCompanyID ) REFERENCES AddMainCompany (MainCompanyID ),
  - **list(edit,delete)**

### **Purchase production item-**

- **purchase category**
  - **AddPurchaseCategory:** (PurchaseCategoryID primary key Serial, MainCompanyID int not null unchangeable, ItemName varchar(100) not null, description TEXT,created\_at (TIMESTAMP))  
FOREIGN KEY (MainCompanyID ) REFERENCES AddMainCompany (MainCompanyID ),
  - LIST
- **PurchaseSubCategory**
  - **Add purchase sub category:** purchaseSubCategoryID primary key serial, MainCompanyID int not null unchangeable, PurchaseCategoryID INT not null, SubCategoryName varchar not null, price (NUMERIC not null),Description Text, created\_at (TIMESTAMP))  
FOREIGN KEY (PurchaseCategoryID) REFERENCES AddPurchaseCategory (PurchaseCategoryID),

FOREIGN KEY (MainCompanyID ) REFERENCES AddMainCompany(MainCompanyID ),

■ **Supplier**

- **AddSupplier:** SupplierID PRIMARY KEY serial, MainCompanyID int not null unchangeable, supplier\_company varchar not null, supplier\_contact\_name varchar not null, supplier\_contact\_number Decimal not null, supplier\_address not null text, created\_at (TIMESTAMP)  
FOREIGN KEY (MainCompanyID ) REFERENCES AddMainCompany (MainCompanyID ),

- List

■ **Purchase items**

- **Purchase\_order**

- **AddPurchaseOrder:** (PurchaseID serial Primary key, MainCompanyID int not null unchangeable, Item), SupplierID not null INT, total\_amount NUMERIC not null, PurchasedBy not null varchar, created\_at (TIMESTAMP)  
FOREIGN KEY (MainCompanyID ) REFERENCES AddMainCompany (MainCompanyID ),  
FOREIGN KEY (SupplierID) REFERENCES AddSupplier(SupplierID),  
FOREIGN KEY (PurchasedBy) REFERENCES Employee(EmployeeID),
- **List.**

- **Purchase\_order\_details**

- **AddPurchaseOrderDetails:** PurchaseDetailID serial primary key, MainCompanyID int not null unchangeable PurchaseID INT NOT NULL, purchaseCategoryID INT not null, CategoryName varchar not null, purchaseSubCategoryID INT not null, SubCategoryName varchar not null, purchase\_amount NUMERIC not null, purchase\_quantity NUMERIC not null, unit varchar(15) NOT NULL ,total\_amount numeric not null, created\_at (TIMESTAMP)  
FOREIGN KEY (MainCompanyID ) REFERENCES AddMainCompany (MainCompanyID ),  
  
FOREIGN KEY (purchaseCategoryID) REFERENCES AddPurchaseCategory (purchaseCategoryID),  
  
FOREIGN KEY (purchaseSubCategoryID) REFERENCES add\_purchase\_sub\_category (purchaseSubCategoryID),  
  
FOREIGN KEY (PurchaseID) REFERENCES AddPurchaseOrder (PurchaseID),
- **List**

## HR

### ■ Employee biodata

- **AddEmployee:** EmployeeID SERIAL Primary Key, MainCompanyID int not null unchangeable, JoiningTime TIMESTAMP NOT NULL, EmployeeName varchar not null, Age Numeric NOT Null, ContactNo NUMERIC not null, ContactNo2 NUMERIC not null, Address TEXT not null, NIDNumber NUMERIC, SALARY numeric not null, Grade varchar not null, ROLE varchar NOT NULL, State NOT NULL VARCHAR, DESCRIPTION TEXT, IMAGE BINARY TEXT, created\_at (TIMESTAMP)  
FOREIGN KEY (MainCompanyID ) REFERENCES AddMainCompany (MainCompanyID ),

- **List**

### ■ Salary

- **SalaryPayroll:** payrollID serial not null, MainCompanyID int not null unchangeable, EmployeeID INT not null, EmployeeName varchar not null, date TimeStamp not null, Salary INT not null, Deduction NOT NULL default 0 INT, Bonus NOT NULL DEFAULT 0 INT, Leave\_taken not null default 0, Final\_amount\_paid INT not NULL, created\_at (TIMESTAMP)  
FOREIGN KEY (EmployeeID) REFERENCES Employee(EmployeeID),  
FOREIGN KEY (MainCompanyID ) REFERENCES AddMainCompany (MainCompanyID ),

- **list**

### ■ Office expenditure

- **OfficePurchaseItemList:** officePurchaseItemID SERIAL PRIMARY KEY, MainCompanyID int not null unchangeable, item name varchar not null, price INT not null, Unit not null varchar, Description TEXT, created\_at (TIMESTAMP)  
FOREIGN KEY (MainCompanyID ) REFERENCES AddMainCompany (MainCompanyID ),
- **AddOfficeExpenditure:** officeExpenditureID Serial primary key, MainCompanyID int not null unchangeable, officePurchaseItemID INT not null, price INT null, Unit not null varchar, Quantity INT not null, total amount INT NOT NULL, created\_at (TIMESTAMP)  
FOREIGN KEY (MainCompanyID ) REFERENCES AddMainCompany(MainCompanyID ),  
FOREIGN KEY (officePurchaseItemID) REFERENCES **OfficePurchaseItemList** (officePurchaseItemID),

- **list**

## INVENTORY

### ■ Product Category

#### ○ Category

- **AddProductCategory:** ProductCategoryID SERIAL PRIMARY KEY,  
MainCompanyID int not null unchangeable, CategoryName varchar not null,  
created\_at (TIMESTAMP)  
FOREIGN KEY (MainCompanyID ) REFERENCES AddMainCompany  
(MainCompanyID ),

- List

#### ○ Sub category

- **AddProductSubCategory:** ProductSubCategoryID SERIAL PRIMARY KEY,  
MainCompanyID int not null unchangeable, ProductCategoryID varchar not  
null, SubCategoryName varchar not null, created\_at (TIMESTAMP)  
FOREIGN KEY (MainCompanyID ) REFERENCES AddMainCompany  
(MainCompanyID ),  
FOREIGN KEY (ProductCategoryID) REFERENCES AddProductCategory  
(ProductCategoryID),

- list

### ■ Inventory Products add

- **AddNewInventoryProducts:** InventoryEntryID Serial primary key,  
MainCompanyID int not null unchangeable ,ProductCategoryID INT not null,  
ProductSubCategoryID INT not null, amount init not null, unit not null int,  
total\_amount INT not null, CreationDate Timestamp not null, created\_at  
(TIMESTAMP)  
FOREIGN KEY (MainCompanyID ) REFERENCES AddMainCompany  
(MainCompanyID ),  
  
FOREIGN KEY (ProductCategoryID) REFERENCES AddProductCategory  
(ProductCategoryID),  
  
FOREIGN KEY (ProductSubCategoryID) REFERENCES AddProductSubCategory  
(ProductSubCategoryID),

#### ○ List

■ **Assets**

- **AddAssets:** AssetEntryID Serial Primary key, MainCompanyID int not null unchangeable, AssetName varchar not null, Description not null TEXT, asset\_value not null INT, PurchasedTime Date not null, created\_at (TIMESTAMP)  
FOREIGN KEY (MainCompanyID ) REFERENCES AddMainCompany (MainCompanyID ),
- List