DATABASE MODEL RELATIONSHIPS

Branch to employee = a branch can have many employees,employee can work in many branches

Branch to stock = a branch can have many stock

Sales to stock = sales can be made on many stock,each sale
Sales and stock_movement = sales reduces stock
Stock_movement and stock = stock movement reduces stock, inter branch transfer reduce stock on one side and add to another stock after receiving branch approved
Sales and orders = sales can be made directly on order
Order and order_items = order can have my order_items, they strictly relate
ORDER INCREASE STOCK, ORDER_ITEMS CHECK IF THAT PRODUCT EXISTS IF NO IT CREATES IT IN THE DB IF YES IT INCREASES QUANTITY TO THE EXISTING ONE,

PRODUCT = WE ADD PRODUCTS THE SYSTEM

Gibs tech solutions company database

Branches
+branch_id
+branch_name -PK
+Region
+phone
+email

Stock
+produck_id
+produck_name -PK
+branch_id -FK
+starting_stock
+sales_id -FK
+unit_price
+reoder_level
+order_id FK
+Order_items_id FK

Sales
+sales_id -PK
+branch_id -FK
+product_id -FK
+product_name -FK
+Sales_date
+unit_price
+quantity_sold
+total -AUTO
+payment_method
+Attribute1

employee
+fullname
+id_number
+phone
+role
+branch_id -FK
+Attribute1

Stock_movement
+starting_stock -FK
+Branch_id -FK
+produch_name FK
+adjustment_id
+sales_id -FK
+from_branch_id
+to_branch_id
+Quantity

Expenses
+expense_id -PK
+Expense_type
+Descriptions
+cost
+date
+branch_id FK
+Vehicle_id   -FK

Vehicles
+vehicle_id PK
+purchase_date
+id_number - FK employee
+fullname FK employee
+status - active
+vehicle_type
+expense_id -FK
+Trips_Id -FK
+Maintenance_Id FK

Maintenance
+maitenance_id
+Vehicle_id   -FK
+Mentainance_date
+cost
+descriptions

products
+product_id
+product_name
+quantity
+Attribute1

Trips
+trip_id -PK
+trip_date
+destination
+distance
+vehicle_id -FK
+fuel_cost
+freight_charged
+total_bal   AUTO

Order_items
+product_id FK stock
+product_name -FK
+Order_Id -FK
+Quantity_ordered
+price_per_unit
+quantity_received
+quantity_balance
+branch_destination_id
+order_item_id

Orders
+order_id -PK
+Supplier_name
+order_date
+Sales_id   FK sales
+delivery_date
+total   -AUTO
+Amount_paid
+balance -AUTO
+status

Payroll
+payroll_id -PK
+Loan _id   -FK
+Fullname FK
+Id_number FK
+Period_start

Loan
+loan_id PK
+ID_number   FK employee
+amount
+date

1..*

0..1

1..*

1..*
0..1

0..* 1..*