Customer - Information about the tea leaf suppliers.

BillBook - Records transactions related to each customer.

Transaction - Logs individual transactions (tea leaf supply, purchase, advances).

TeaLeafSupply - Details of tea leaves provided by the customer.

FertilizerPurchase - Details of fertilizers purchased by the customer.

TeaPacketPurchase - Details of tea packets purchased by the customer.

AdvancePayment - Money advances taken by the customer.

Factory - Information about the factory that purchases tea leaves.

FactoryPayment - Payments made by the factory to the business owner.

PricePerKg - Price per kilogram of tea leaves set by the factory and the business owner.

BusinessOwner - Information about the business owner.

NetProfitCalculation - Process to calculate the net profit for the business owner.

MonthlySummary - Summarized view of all transactions for a month.

PaymentToCustomer - Payments made to customers by the business owner.

Product - General information about products like fertilizers or tea packets.

**Entities and Their Attributes:**

1. **Customer**
   * CustomerID (Primary Key)
   * Name
   * Address
   * ContactNumber
   * BillBookID (Foreign Key)
2. **BillBook**
   * BillBookID (Primary Key)
   * CustomerID (Foreign Key)
   * Month
   * TotalTeaLeafSupply
   * TotalFertilizerPurchase
   * TotalTeaPacketPurchase
   * TotalAdvancePayment
   * NetAmountDue
   * PaymentToCustomerID (Foreign Key)
3. **Transaction**
   * TransactionID (Primary Key)
   * BillBookID (Foreign Key)
   * TransactionType (TeaLeafSupply, FertilizerPurchase, TeaPacketPurchase, AdvancePayment)
   * Date
   * Amount
4. **TeaLeafSupply**
   * SupplyID (Primary Key)
   * CustomerID (Foreign Key)
   * Date
   * Quantity
   * PricePerKgID (Foreign Key)
   * TotalAmount
5. **FertilizerPurchase**
   * PurchaseID (Primary Key)
   * CustomerID (Foreign Key)
   * Date
   * ProductID (Foreign Key)
   * Quantity
   * TotalCost
6. **TeaPacketPurchase**
   * PurchaseID (Primary Key)
   * CustomerID (Foreign Key)
   * Date
   * ProductID (Foreign Key)
   * Quantity
   * TotalCost
7. **AdvancePayment**
   * AdvanceID (Primary Key)
   * CustomerID (Foreign Key)
   * Date
   * Amount
8. **Factory**
   * FactoryID (Primary Key)
   * Name
   * Address
   * ContactNumber
9. **FactoryPayment**
   * PaymentID (Primary Key)
   * FactoryID (Foreign Key)
   * Date
   * TotalAmount
   * PricePerKgID (Foreign Key)
10. **PricePerKg**
    * PriceID (Primary Key)
    * Date
    * FactoryPrice
    * OwnerPrice
11. **BusinessOwner**
    * OwnerID (Primary Key)
    * Name
    * ContactNumber
    * FactoryID (Foreign Key)
12. **NetProfitCalculation**
    * CalculationID (Primary Key)
    * OwnerID (Foreign Key)
    * Month
    * TotalRevenue
    * TotalPaymentsToCustomers
    * NetProfit
13. **MonthlySummary**
    * SummaryID (Primary Key)
    * BillBookID (Foreign Key)
    * Month
    * TotalTeaLeafSupply
    * TotalPurchases
    * TotalAdvancePayments
    * NetAmountDue
14. **PaymentToCustomer**
    * PaymentID (Primary Key)
    * CustomerID (Foreign Key)
    * BillBookID (Foreign Key)
    * Date
    * TotalAmountPaid
15. **Product**
    * ProductID (Primary Key)
    * Name
    * Category (Fertilizer, TeaPacket)
    * UnitPrice

**Relationships:**

* A **Customer** can have one **BillBook** (One-to-One).
* A **BillBook** can have multiple **Transactions** (One-to-Many).
* A **BillBook** is associated with multiple **TeaLeafSupply**, **FertilizerPurchase**, **TeaPacketPurchase**, and **AdvancePayment** (One-to-Many).
* A **Customer** can supply multiple **TeaLeafSupply** and purchase multiple **Products**

and **AdvancePayments** (One-to-Many).

* **Factory** makes payments to the **BusinessOwner** based on the **PricePerKg** (One-to-Many).
* **PricePerKg** is associated with both **FactoryPayment** and **TeaLeafSupply** (One-to-Many).
* **BusinessOwner** has a relationship with **Factory** (One-to-One) and calculates **NetProfit** based on monthly transactions (One-to-One).
* **MonthlySummary** is generated for each **BillBook** (One-to-One).
* **PaymentToCustomer** records payments made by the **BusinessOwner** to each **Customer** based on their **BillBook** (One-to-Many).
* **Product** information is used in **FertilizerPurchase** and **TeaPacketPurchase** transactions (One-to-Many).