

Data Dictionary :

Farmer;

Name	Data Type	Size	Remark
Farmer_ID	String	Variable	Primary Key: Unique identifier for the farmer. Example: `F001`.
Name	String	Variable	Name of the farmer. Example: `Ali Hossain`.
Contact_Info	String	Variable	Contact details of the farmer. Example: `+8801812345678`.
Farm_Location	String	Variable	Location of the farm. Example: `Rajshahi, Bangladesh`.

Customer

Name	Data Type	Size	Remark
Customer_ID	String	Variable	Primary Key: Unique identifier for the customer. Example: `C001`.
CName	String	Variable	Customer's full name (First and Last). Example: `Ahmed Khan`.
C_Address	String	Variable	Address of the customer. Example: `Dhaka, Bangladesh`.
Contact_Info	String	Variable	Customer's contact details (Mobile No. and Email). Example: `+8801712345678, ahmed@gmail.com`.

Harvest_Batch

Name	Data Type	Size	Remark
------	-----------	------	--------

Batch_ID	String	Variable	Primary Key: Unique identifier for the batch. Example: `HB001`.
Batch_Name	String	Variable	Name of the harvest batch. Example: `Mango Batch 1`.
Batch_Type	String	Variable	Type of harvest in the batch. Example: `Fruits`.
Weight	Number	Variable	Weight of the batch in kg. Example: `1000`.
Quantity	Number	Variable	Quantity of items in the batch. Example: `500`.
Date	Datetime	`dd/mm/yyyy`	Date of the batch harvest. Example: `10/11/2024`.

QC_Officer

Name	Data Type	Size	Remark
QC0ID	String	Variable	Primary Key: Unique identifier for the quality control officer. Example: `QC001`.
Name	String	Variable	Full name of the QC officer (First and Last). Example: `Sarah Rahman`.
Contact	String	Variable	Contact information (SIM1 and SIM2). Example: `+8801712345678, +8801923456789`.
Certification	String	Variable	Certification details of the QC officer. Example: `ISO 9001 Certified`.

Grade

Name	Data Type	Size	Remark
Protein_Content	Number	Variable	Protein content percentage. Example: `12.5`.

Nutrition_Level	Number	Variable	Nutritional value score. Example: `9`.
Lab_Test	String	Variable	Results of the lab test (Size, Shape, Color). Example: `Large, Round, Green`.
Moisture_Content	Number	Variable	Moisture content percentage. Example: `15`.
Ripeness_Level	Number	Variable	Ripeness score (scale 1-10). Example: `8`.
Physical_Defects	String	Variable	Details of any defects. Example: `Bruised areas on surface`.
StoredDate	Datetime	`dd/mm/yyyy`	Date the grade was recorded. Example: `11/11/2024`.

Package

Name	Data Type	Size	Remark
PackageID	String	Variable	Primary Key: Unique identifier for the package. Example: `PKG001`.
PackageType	String	Variable	Type of packaging. Example: `Carton`.
Description	String	Variable	Description of the package contents. Example: `Contains 20 mangoes`.
Packaging_Date	Datetime	`dd/mm/yyyy`	Date the packaging was done. Example: `15/11/2024`.

Packaging_Staff

Name	Data Type	Size	Remark
Staff_ID	String	Variable	Primary Key: Unique identifier for the staff. Example: `PS001`.
SName	String	Variable	Full name of the packaging staff (First and Last).

			Example: `Rahim Uddin`.
Address	String	Variable	Address of the staff. Example: `Chittagong, Bangladesh`.
Date_of_Birth	Datetime	`dd/mm/yyyy`	Date of birth of the staff. Example: `20/08/1990`.
Contact_Info	String	Variable	Staff's contact details (Mobile No. and Email). Example: `+8801712345678, rahim@gmail.com`.

Order

Name	Data Type	Size	Remark
Order_ID	String	Variable	Primary Key: Unique identifier for the order. Example: `ORD001`.
Customer_ID	String	Variable	Foreign Key: References Customer table. Example: `C001`.
Order_Date	Datetime	`dd/mm/yyyy`	Date of the order. Example: `05/11/2024`.
Total_Amount	Number	Variable	Total amount for the order. Example: `1500`.

Vehicle

Name	Data Type	Size	Remark
Vehicle_ID	String	Variable	Primary Key: Unique identifier for the vehicle. Example: `VH001`.
Type	String	Variable	Type of vehicle. Example: `Truck`.
Capacity	Number	Variable	Capacity of the vehicle in kg. Example: `2000`.
Registration_Number	String	Variable	Vehicle registration number. Example:

			`DHK-12345`.
--	--	--	--------------

Transport

Name	Data Type	Size	Remark
Transport_ID	String	Variable	Primary Key: Unique identifier for the transport. Example: `T001`.
Vehicle_ID	String	Variable	Foreign Key: References Vehicle table. Example: `VH001`.
Driver_ID	String	Variable	Foreign Key: References Driver table. Example: `D001`.
Start_Date	Datetime	`dd/mm/yyyy`	Start date of the transport. Example: `10/11/2024`.
End_Date	Datetime	`dd/mm/yyyy`	End date of the transport. Example: `15/11/2024`.

Product

Name	Data Type	Size	Remark
Product_ID	String	Variable	Primary Key: Unique identifier for the product. Example: `P001`.
Name	String	Variable	Name of the product. Example: `Mango`.
Type	String	Variable	Type of product. Example: `Fruit`.
Price_per_kg	Number	Variable	Price of the product per kilogram. Example: `120`.

Driver

Name	Data Type	Size	Remark
Driver_ID	String	Variable	Primary Key: Unique identifier for the driver. Example:

			`D001`.
Name	String	Variable	Name of the driver. Example: `Habib Rahman`.
License_Number	String	Variable	Driver's license number. Example: `DHKL12345`.
Contact_Info	String	Variable	Contact details of the driver. Example: `+8801712345678`.