Quick_Mart Database Data Dictionary

DEPARTMENT

Attribute	Description	Data Type	Constraints / Notes
Department_id	Unique ID for department	INT	Primary Key
Department_name	Name of the department	VARCHAR(100)	
Manager_id	ID of manager (employee)	INT	
Manager_start_date	Date manager started	DATE	

EMPLOYEE

Attribute	Description	Data Type	Constraints / Notes
id	Unique ID for employee	INT	Primary Key
First_name	Employee's first name	VARCHAR(50)	
Middle_name	Employee's middle name	VARCHAR(50)	
Last_name	Employee's last name	VARCHAR(50)	
Name	Full name (computed)	Computed column	First_name + Middle_name +
salary	Employee's salary	DECIMAL(10,2)	
phone_number	Employee's phone number	VARCHAR(15)	
address	Employee's address	VARCHAR(255)	
Perks	Perks and benefits	VARCHAR(100)	
End_date	Employment end date	DATE	
Join_date	Employment start date	DATE	
Department_id	ID of employee's department	INT	Foreign Key DEPARTMENT

LOGIN

Attribute	Description	Data Type	Constraints / Notes
id	Login ID (same as Employee ID)	INT	Primary Key
username	Login username	VARCHAR(50)	Unique
password	Login password	VARCHAR(100)	
Employee_id	Linked to employee ID	INT	Foreign Key EMPLOYEE(id)

PROMOTION

Attribute	Description	Data Type	Constraints / Notes
Promo_code	Unique promo code	VARCHAR(20)	Primary Key
Discount	Discount percentage	DECIMAL(5,2)	
Valid_upto	Expiry date	DATE	
Login_id	Linked to Login ID	INT	Foreign Key LOGIN(id)

SUPPLIER

Attribute	Description	Data Type	Constraints / Notes
Sid	Supplier ID	INT	Primary Key
Sname	Supplier name	VARCHAR(100)	
Sdealer	Supplier dealer info	VARCHAR(100)	
Semail	Supplier email	VARCHAR(100)	
Sphone	Supplier phone number	VARCHAR(15)	
Saddress	Supplier address	VARCHAR(255)	

PRODUCT

Attribute	Description	Data Type	Constraints / Notes
Product_id	Unique product ID	INT	Primary Key
Product_name	Product name	VARCHAR(100)	
Product_type	Product category/type	VARCHAR(50)	
Supplier_id	Supplier ID	INT	Foreign Key SUPPLIER(Sid
Quantity	Available quantity	INT	
Cost_price	Cost price	DECIMAL(10,2)	
Market_price	Market (selling) price	DECIMAL(10,2)	
Profit	Profit (computed)	Computed column	Market_price - Cost_price

CUSTOMERs

Attribute	Description	Data Type	Constraints / Notes
Cid	Customer ID	INT	Primary Key
Cname	Full customer name	VARCHAR(100)	
first_name	Customer's first name	VARCHAR(50)	
last_name	Customer's last name	VARCHAR(50)	
Cphone	Customer's phone number	VARCHAR(15)	

Caddress	Customer's address	VARCHAR(255)	
Cmoney_spent	Total money spent	DECIMAL(12,2)	
Cmoney_spent_res	Reserved money spent	DECIMAL(12,2)	
AtCjoin_date_birthdate	Join date or birthdate	DATE	
Count	Purchase count	INT	

BUY

Attribute	Description	Data Type	Constraints / Notes
Purchase_id	Purchase ID	INT	Primary Key
Customer_id	Customer ID	INT	Foreign Key CUSTOMERs(
Product_id	Product ID	INT	Foreign Key PRODUCT(Pro
Purchase_date	Date of purchase	DATE	
Total_amount	Total amount of purchase	DECIMAL(10,2)	