

Paw Bytes Table and Attribute Summary

Table Customer: This table stores details of the customers of Paw Bytes.

Table and Attribute Summaries

Table	Customer
ER origin	Customer
Primary Key	CID
Foreign Key	None
Uniqueness constraint	None

Attribute summary

Name	Type	Range	Required/ Optional	Derived/ Stored
CID	SERIAL		Required	Stored
FirstName	VARCHAR(50)	Not empty	Required	Stored
LastName	VARCHAR(50)		Optional	Stored
Email	VARCHAR(345)		Optional	Stored
PhoneNumber	VARCHAR(14)		Optional	Stored

Table Customer_Address: This table stores details of all customer addresses.

Table and Attribute Summaries

Table	Customer_Address
ER origin	Customer
Primary Key	CID
Foreign Key	CID
	CID references Customer.CID
Uniqueness constraint	

Attribute summary

Name	Type	Range	Required/ Optional	Derived/ Stored
CID	SERIAL		Required	Stored
ZipCode	VARCHAR(4)		Optional	Stored
Street	VARCHAR(50)		Optional	Stored
City	VARCHAR(50)		Optional	Stored
State	VARCHAR(50)		Optional	Stored

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Table Product: This table stores details of all products sold by PawBytes.

Table and attribute Summaries

Table	Product
ER origin	Product
Primary Key	PID
Foreign Key	None
Uniqueness constraint	None

Attribute summary

Name	Type	Range	Required/ Optional	Derived/ Stored
PID	SERIAL		Required	Stored
ProductName	VARCHAR(50)	Not empty	Required	Stored
ProductType	VARCHAR(50)	Not empty	Required	Stored

Table Product_Amount: This table stores details each product's price at a given date.

Table and attribute Summaries

Table	Product_Amount
ER origin	Product
Primary Key	PID, establishedDate
Foreign Key	PID
	PID references Product.PID
Uniqueness constraint	None

Attribute summary

Name	Type	Range	Required/ Optional	Derived/ Stored
PID	SERIAL		Required	Stored
EstablishedDate	DATE		Required	Stored
Amount	NUMERIC(,2)	> 0	Required	Stored

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Table Employee: This table contains information of all employees at Paw Bytes.

Table and attribute Summaries

Table	Employee
ER origin	Employee
Primary Key	EID
Foreign Key	
Uniqueness constraint	None

Attribute summary

Name	Type	Range	Required/ Optional	Derived/ Stored
EID	SERIAL		Required	Stored
FirstName	VARCHAR(50)	Not empty	Required	Stored
LastName	VARCHAR(50)	Not empty	Required	Stored
Email	VARCHAR(345)	Not empty	Required	Stored
PhoneNumber	VARCHAR(14)	Not empty	Required	Stored

Table Employee_Address: This table stores the address of every employee of Paw Bytes.

Table and attribute Summaries

Table	Employee_Address
ER origin	EID
Primary Key	EID
Foreign Key	EID
	EID references Employee.EID
Uniqueness constraint	None

Attribute summary

Name	Type	Range	Required/ Optional	Derived/ Stored
EID	SERIAL		Required	Stored
ZipCode	VARCHAR(4)	Not empty	Required	Stored
Street	VARCHAR(50)	Not empty	Required	Stored
City	VARCHAR(50)	Not empty	Required	Stored
State	VARCHAR(50)	Not empty	Required	Stored

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Table PawPal: This table stores information of all PawPals.

Table and attribute Summaries

Table	PawPal
ER origin	PawPal
Primary Key	pawID
Foreign Key	None
Uniqueness constraint	None

Attribute summary

Name	Type	Range	Required/ Optional	Derived/ Stored
PawID	SERIAL		Required	Stored
PawName	VARCHAR(50)		Required	Stored
Species	VARCHAR(3)	“dog” or “cat”	Required	Stored
TagName	VARCHAR(16)	Not empty	Required	Stored
LastDateGroomed	DATE		Optional	Derived
TotalSessionsAttended	INTEGER		Optional	Derived

Table Order: This table stores information of all orders taken.

Table and attribute Summaries

Table	Order
ER origin	Order
Primary Key	orderID
Foreign Key	None
Uniqueness constraint	None

Attribute summary

Name	Type	Range	Required/ Optional	Derived/ Stored
orderID	SERIAL		Required	Stored
orderDate	DATE		Required	Stored
orderTotal	NUMERIC(,2)	>=0	Required	Derived

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Table Order_Invoice: This table stores information of all invoices.

Table and attribute Summaries

Table	Order_Invoice
ER origin	Order
Primary Key	orderId, PID, CID
Foreign Key	PID, CID
	PID references Product.PID CID references Customer.CID
Uniqueness constraint	None

Attribute summary

Name	Type	Range	Required/ Optional	Derived/ Stored
orderId	SERIAL		Required	Stored
PID	SERIAL		Required	Stored
CID	SERIAL		Required	Stored
quantity	INTEGER	> 0	Required	Stored
lineTotal	NUMERIC(,2)	> 0	Required	Derived

Table Training_Session: This table stores information of all invoices.

Table and attribute Summaries

Table	Training_Session
ER origin	TrainingSession
Primary Key	SessionID
Foreign Key	
Uniqueness constraint	None

Attribute summary

Name	Type	Range	Required/ Optional	Derived/ Stored
SessionID	SERIAL		Required	Stored
SessionDate	DATE		Required	Stored

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Table Attend_Session: This table stores information of all sessions attended

Table and attribute Summaries

Table	AttendSession
ER origin	Attends
Primary Key	pawID, sessionID
Foreign Key	pawID references PawPal.pawID sessionID references TrainingSession.sessionID
Uniqueness constraint	None

Attribute summary

Name	Type	Range	Required/ Optional	Derived/ Stored
SessionID	SERIAL		Required	Stored
pawID	SERIAL		Required	Stored

Table Conduct_Session: This table stores information of all sessions attended

Table and attribute Summaries

Table	ConductSession
ER origin	Conducts
Primary Key	EID, sessionID
Foreign Key	EID references Employee.EID sessionID references TrainingSession.sessionID
Uniqueness constraint	None

Attribute summary

Name	Type	Range	Required/ Optional	Derived/ Stored
SessionID	SERIAL		Required	Stored
EID	SERIAL		Required	Stored

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Table Tweet_Treat: This table stores all treats gathered from Twitter tweets.

Table and attribute Summaries

Table	Treat_Treat
ER origin	Tweet Treat
Primary Key	tweetID
Foreign Key	None
Uniqueness constraint	None

Attribute summary

Name	Type	Range	Required/ Optional	Derived/ Stored
tweetID	BIGINT		Required	Stored
twitterName	CHAR(20)		Required	Stored
tweet_text	CHAR(300)		Required	Stored
dateSaved	TIMESTAMP		Required	Stored

Table Tweet_Treat_Ownership: This table stores all treats gathered from Twitter tweets.

Table and attribute Summaries

Table	Treat_Treat_Ownership
ER origin	Tweet Treat_Ownership
Primary Key	tweetID, pawID
Foreign Key	None
Uniqueness constraint	None

Attribute summary

Name	Type	Range	Required/ Optional	Derived/ Stored
tweetID	SERIAL		Required	Stored
pawID	SERIAL		Required	Stored