

Data Dictionary

category

Column Name	Data Type	Constraints	Description	Data Format	Example
categoryName	VARCHAR(32)	PRIMARY KEY, NOT NULL	Name of the category.	Text	Sports Equipment
active	TINYINT	NOT NULL, DEFAULT 1	Indicates if the category is active.	0 or 1	1

delivery

Column Name	Data Type	Constraints	Description	Data Format	Example
deliveryID	INT	NOT NULL AUTO_INCREMENT PRIMARY KEY	Unique identifier for deliveries.	Integer	6001
deliveryDate	DATETIME	NOT NULL	Date and time of the delivery.	YYYY-MM-DD HH:MM:SS	2025-01-10 9:00
distanceCost	DECIMAL(10,2)	NOT NULL	Cost of delivery based on distance.	Currency	25
vehicleType	VARCHAR(20)	NOT NULL	Type of vehicle used for the delivery.	Text	Truck
notes	VARCHAR(255)	DEFAULT NULL	Additional notes about the delivery.	Text	Requires temperature control

deliveryMethod

Column Name	Data Type	Constraints	Description	Data Format	Example
deliveryMethodID	INT	NOT NULL AUTO_INCREMENT PRIMARY KEY	Unique identifier for delivery methods.	Integer	3001
name	VARCHAR(50)	NOT NULL	Name of the delivery method.	Text	Purolator
address1	VARCHAR(50)	NULLABLE	Primary address of the delivery provider.	Text	789 Delivery Lane
address2	VARCHAR(50)	NULLABLE	Secondary address of the delivery provider.	Text	Unit 3
city	VARCHAR(50)	NULLABLE	City where the delivery provider is located.	Text	Saint John
country	VARCHAR(50)	NULLABLE	Country of the delivery provider.	Text	Canada
provinceID	VARCHAR(2)	NOT NULL	Province ID of the delivery provider.	Text	NB
postalCode	VARCHAR(11)	NULLABLE	Postal code of the delivery provider.	Text	E2L 4W5
phone	VARCHAR(14)	NULLABLE	Phone number of the delivery provider.	Text	506-555-4321
contact	VARCHAR(100)	NULLABLE	Contact person for the delivery provider.	Text	John Smith
notes	VARCHAR(255)	NULLABLE	Additional notes about the delivery method.	Text	Specialized in overnight shipping
active	TINYINT	DEFAULT 1 NOT NULL	Indicates if the delivery method is active.	0 or 1	1

employee

Column Name	Data Type	Constraints	Description	Data Format	Example
employeeID	INT	NOT NULL AUTO_INCREMENT PRIMARY KEY	Unique identifier for employees.	Integer	5001
Password	VARCHAR(32)	NOT NULL	Password for the employee account.	Text	P@ssw0rd
FirstName	VARCHAR(20)	NOT NULL	First name of the employee.	Text	John
LastName	VARCHAR(20)	NOT NULL	Last name of the employee.	Text	Doe
Email	VARCHAR(100)	DEFAULT NULL	Email address of the employee.	Text	john.doe@example.com
PositionID	INT	NOT NULL	Position ID assigned to the employee.	Integer	2
siteID	INT	NOT NULL	Site ID where the employee works.	Integer	10
username	VARCHAR(255)	NOT NULL	Username for the employee account.	Text	joindoe
notes	VARCHAR(255)	DEFAULT NULL	Additional notes about the employee.	Text	Team lead in logistics
locked	TINYINT	DEFAULT 0	Indicates if the account is locked.	0 or 1	0
active	TINYINT	DEFAULT 1, NOT NULL	Indicates if the employee is active.	0 or 1	1

inventory

Column Name	Data Type	Constraints	Description	Data Format	Example
itemID	INT	NOT NULL	Item ID associated with the inventory.	Integer	4001
siteID	INT	NOT NULL	Site ID where the item is stored.	Integer	10
itemLocation	VARCHAR(9)	DEFAULT 'Stock' NOT NULL	Location of the item within the site.	Text	Stock
quantity	INT	NOT NULL	Quantity of the item in inventory.	Integer	150
reorderThreshold	INT	DEFAULT NULL	Threshold quantity for reordering the item.	Integer	20
optimumThreshold	INT	NOT NULL	Optimal quantity to have in inventory.	Integer	200
notes	VARCHAR(255)	DEFAULT NULL	Additional notes about the inventory item.	Text	Seasonal item

item

Column Name	Data Type	Constraints	Description	Data Format	Example
itemID	INT	NOT NULL AUTO_INCREMENT PRIMARY KEY	Unique identifier for items.	Integer	4001
name	VARCHAR(100)	NOT NULL	Name of the item.	Text	Jetspeed Skates Senior
sku	VARCHAR(20)	NOT NULL	Stock keeping unit for the item.	Text	6000
description	VARCHAR(255)	DEFAULT NULL	Description of the item.	Text	Single pair
category	VARCHAR(32)	NOT NULL	Category of the item.	Text	Sports
weight	DECIMAL(10,2)	NOT NULL	Weight of the item in kilograms.	Decimal	1.5
caseSize	INT	NOT NULL	Number of items per case.	Integer	10
costPrice	DECIMAL(10,2)	NOT NULL	Cost price of the item.	Currency	850
retailPrice	DECIMAL(10,2)	NOT NULL	Retail price of the item.	Currency	1200
supplierID	INT	NOT NULL	Supplier ID associated with the item.	Integer	1001
notes	VARCHAR(255)	DEFAULT NULL	Additional notes about the item.	Text	Best-selling model
active	TINYINT	DEFAULT 1 NOT NULL	Indicates if the item is active.	0 or 1	1

posn

Column Name	Data Type	Constraints	Description	Data Format	Example
positionID	INT	PRIMARY KEY, AUTO_INCREMENT, NOT NULL	Unique identifier for positions.	Integer	1
permissionLevel	VARCHAR(20)	NOT NULL	Permission level of the position.	Text	Manager
active	TINYINT	NOT NULL, DEFAULT 1	Indicates if the position is active.	0 or 1	1

province

Column Name	Data Type	Constraints	Description	Data Format	Example
provinceID	VARCHAR(2)	PRIMARY KEY, NOT NULL	Province identifier.	Text	NB
provinceName	VARCHAR(20)	NOT NULL	Name of the province.	Text	New Brunswick
countryCode	VARCHAR(50)	NOT NULL	Country code of the province.	Text	CAN
active	TINYINT	NOT NULL, DEFAULT 1	Indicates if the province is active.	0 or 1	1

site

Column Name	Data Type	Constraints	Description	Data Format	Example
siteID	INT	NOT NULL AUTO_INCREMENT PRIMARY KEY	Unique identifier for sites.	Integer	10
siteName	VARCHAR(50)	NOT NULL	Name of the site.	Text	Main Warehouse
address	VARCHAR(50)	NOT NULL	Address of the site.	Text	123 Main St
address2	VARCHAR(50)	DEFAULT NULL	Additional address information.	Text	Suite 100
city	VARCHAR(50)	NOT NULL	City where the site is located.	Text	Fredericton
provinceID	VARCHAR(2)	NOT NULL	Province ID associated with the site.	Text	NB
country	VARCHAR(50)	NOT NULL	Country where the site is located.	Text	Canada
postalCode	VARCHAR(14)	NOT NULL	Postal code of the site.	Text	E3B 1A5
phone	VARCHAR(14)	NOT NULL	Phone number of the site.	Text	506-555-1234
dayOfWeek	VARCHAR(50)	NULLABLE	Day of operation or relevance.	Text	Monday
distanceFromWH	INT	NOT NULL	Distance from the warehouse in kilometers.	Integer	15
notes	VARCHAR(255)	DEFAULT NULL	Additional notes about the site.	Text	Main distribution hub
active	TINYINT	DEFAULT 1, NOT NULL	Indicates if the site is active.	0 or 1	1

supplier

Column Name	Data Type	Constraints	Description	Data Format	Example
supplierID	INT	NOT NULL AUTO_INCREMENT PRIMARY KEY	Unique identifier for suppliers.	Integer	1001
name	VARCHAR(50)	NOT NULL	Name of the supplier.	Text	ABC Supplies
address1	VARCHAR(50)	NOT NULL	Primary address of the supplier.	Text	456 Industrial Park Rd
address2	VARCHAR(50)	DEFAULT NULL	Secondary address of the supplier.	Text	Suite 200
city	VARCHAR(50)	NOT NULL	City where the supplier is located.	Text	Moncton
country	VARCHAR(50)	NOT NULL	Country where the supplier is located.	Text	Canada
province	VARCHAR(2)	NOT NULL	Province ID associated with the supplier.	Text	NB
postalcode	VARCHAR(11)	NOT NULL	Postal code of the supplier.	Text	E1A 5Y5
phone	VARCHAR(14)	NOT NULL	Phone number of the supplier.	Text	506-555-5678
contact	VARCHAR(100)	DEFAULT NULL	Contact person for the supplier.	Text	Jane Doe
notes	VARCHAR(255)	DEFAULT NULL	Additional notes about the supplier.	Text	Preferred partner for electronics
active	TINYINT	DEFAULT 1 NOT NULL	Indicates if the supplier is active.	0 or 1	1

txn

Column Name	Data Type	Constraints	Description	Data Format	Example
txnID	INT	NOT NULL AUTO_INCREMENT PRIMARY KEY	Unique identifier for transactions.	Integer	7001
employeeID	INT	NOT NULL	Employee responsible for the transaction.	Integer	1913-09-09
siteIDTo	INT	NOT NULL	Destination site ID for the transaction.	Integer	15
siteIDFrom	INT	NOT NULL	Origin site ID for the transaction.	Integer	10
txnStatus	VARCHAR(20)	NOT NULL	Status of the transaction.	Text	Completed
shipDate	DATETIME	NOT NULL	Date and time of shipment.	YYYY-MM-DD HH:MM:SS	2025-01-08 14:00
txnType	VARCHAR(20)	NOT NULL	Type of the transaction.	Text	Transfer
barCode	VARCHAR(50)	NOT NULL	Barcode associated with the transaction.	Text	TXN123456789
createdDate	DATETIME	DEFAULT CURRENT_TIMESTAMP	Date and time the transaction was created.	YYYY-MM-DD HH:MM:SS	2025-01-07 10:30
deliveryID	INT	DEFAULT NULL	Delivery ID associated with the transaction.	Integer	6001
emergencyDelivery	TINYINT	DEFAULT NULL	Indicates if the transaction is an emergency delivery.	0 or 1	0
notes	VARCHAR(255)	DEFAULT NULL	Additional notes about the transaction.	Text	Handled with care

txnaudit

Column Name	Data Type	Constraints	Description	Data Format	Example
txnAuditID	INT	NOT NULL AUTO_INCREMENT PRIMARY KEY	Unique identifier for transaction audits.	Integer	8001
createdDate	DATETIME	DEFAULT CURRENT_TIMESTAMP	Date and time the audit was created.	YYYY-MM-DD HH:MM:SS	2025-01-09 15:00
txnID	INT	NOT NULL	Transaction ID associated with the audit.	Integer	7001
employeeID	INT	NOT NULL	Employee conducting the audit.	Integer	5001
txnType	VARCHAR(20)	NOT NULL	Type of transaction being audited.	Text	Transfer
status	VARCHAR(20)	NOT NULL	Status of the transaction during the audit.	Text	Completed
txnDate	DATETIME	NOT NULL	Date and time of the transaction being audited.	YYYY-MM-DD HH:MM:SS	2025-01-08 14:00
SiteID	INT	NOT NULL	Site ID associated with the audit.	Integer	15
deliveryID	INT	DEFAULT NULL	Delivery ID associated with the audit.	Integer	1916-06-05
notes	VARCHAR(255)	DEFAULT NULL	Additional notes about the audit.	Text	No discrepancies found

txnitems

Column Name	Data Type	Constraints	Description	Data Format	Example
txnID	INT	NOT NULL	Transaction ID associated with the item.	Integer	7001
itemID	INT	NOT NULL	Item ID associated with the transaction.	Integer	4001
quantity	INT	NOT NULL	Quantity of the item in the transaction.	Integer	25
notes	VARCHAR(255)	DEFAULT NULL	Additional notes about the transaction item.	Text	Fragile

txnstatus

Column Name	Data Type	Constraints	Description	Data Format	Example
statusName	VARCHAR(20)	PRIMARY KEY, NOT NULL	Name of the transaction status.	Text	Completed
statusDescription	VARCHAR(100)	NOT NULL	Description of the transaction status.	Text	Transaction successfully completed.
active	TINYINT	NOT NULL, DEFAULT 1	Indicates if the status is active.	0 or 1	1

txntype

Column Name	Data Type	Constraints	Description	Data Format	Example
txnType	VARCHAR(20)	PRIMARY KEY, NOT NULL	Name of the transaction type.	Text	Purchase
active	TINYINT	NOT NULL, DEFAULT 1	Indicates if the transaction type is active.	0 or 1	1

vehicle

Column Name	Data Type	Constraints	Description	Data Format	Example
vehicleType	VARCHAR(20)	PRIMARY KEY, NOT NULL	Type of the vehicle.	Text	Truck
maxWeight	DECIMAL(10,0)	NOT NULL	Maximum weight the vehicle can carry.	Decimal	10000
HourlyTruckCost	DECIMAL(10,2)	NOT NULL	Cost per hour for the truck.	Currency	50
costPerKm	DECIMAL(10,2)	NOT NULL	Cost per kilometer for the vehicle.	Currency	1.5
notes	TEXT	NULLABLE	Additional notes about the vehicle.	Text	Used for usual deliveries
active	TINYINT	NOT NULL, DEFAULT 1	Indicates if the vehicle is active.	0 or 1	1