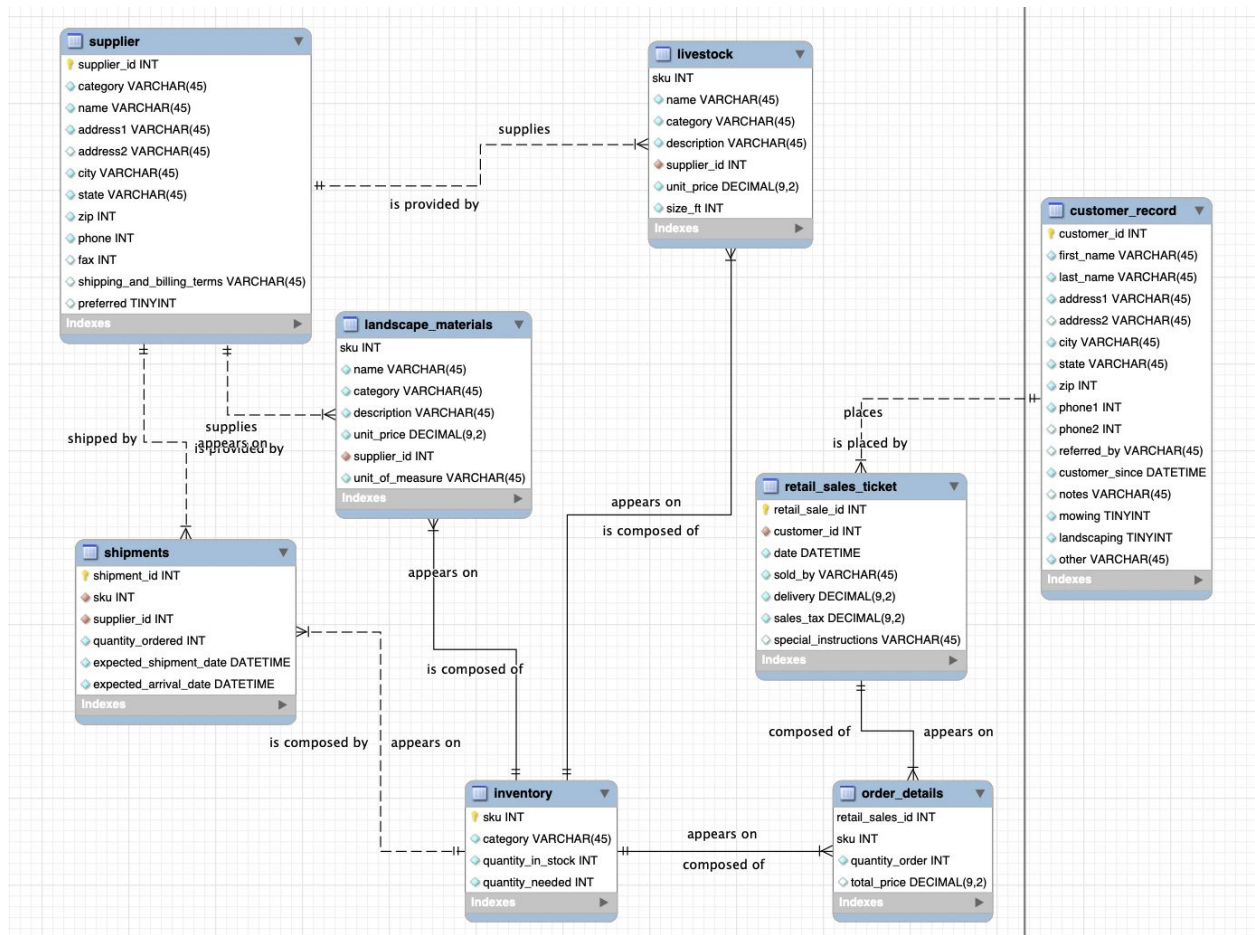


**Data Model****Describe**

## Supplier table

Field	Type	Null	Key	Default	Extra
supplier_id	int	NO	PRI	NULL	auto_increment
category	varchar(45)	NO		NULL	
name	varchar(45)	NO		NULL	
address1	varchar(45)	NO		NULL	
address2	varchar(45)	YES		NULL	
city	varchar(45)	NO		NULL	
state	varchar(45)	NO		NULL	
zip	int	NO		NULL	
phone	int	NO		NULL	
fax	int	YES		NULL	
shipping...	varchar(45)	YES		NULL	
preferred	tinyint	YES		NULL	

## Livestock table

Names: Will Huynh, Calista Nguyen, Amey Erdenebileg

	Field	Type	Null	Key	Default	Extra
►	sku	int	NO	PRI	NULL	
	name	varchar(45)	NO		NULL	
	category	varchar(45)	NO		NULL	
	description	varchar(45)	NO		NULL	
	supplier_id	int	NO	MUL	NULL	
	unit_price	decimal(9,2)	NO		NULL	

Landscape materials table

	Field	Type	Null	Key	Default	Extra
►	sku	int	NO	PRI	NULL	
	name	varchar(45)	NO		NULL	
	category	varchar(45)	NO		NULL	
	description	varchar(45)	NO		NULL	
	unit_price	decimal(9,2)	NO		NULL	
	supplier_id	int	NO	MUL	NULL	

Customer records table

	Field	Type	Null	Key	Default	Extra
►	customer_id	int	NO	PRI	NULL	auto_increment
	first_name	varchar(45)	NO		NULL	
	last_name	varchar(45)	NO		NULL	
	address1	varchar(45)	NO		NULL	
	address2	varchar(45)	YES		NULL	
	city	varchar(45)	NO		NULL	
	state	varchar(45)	NO		NULL	
	zip	int	NO		NULL	
	phone1	int	NO		NULL	
	phone2	int	YES		NULL	
	referred_by	varchar(45)	YES		NULL	
	customer_...	datetime	NO		NULL	
	notes	varchar(45)	YES		NULL	
	mowing	tinyint	NO		NULL	
	landscaping	tinyint	NO		NULL	
	other	varchar(45)	NO		NULL	

Retail sales ticket table

	Field	Type	Null	Key	Default	Extra
►	retail_sale_id	int	NO	PRI	NULL	auto_increment
	customer_id	int	NO	MUL	NULL	
	date	datetime	NO		NULL	
	sold_by	varchar(45)	NO		NULL	
	delivery	decimal(9,2)	NO		NULL	
	sales_tax	decimal(9,2)	NO		NULL	
	special_instructions	varchar(45)	YES		NULL	

Order details table

Field	Type	Null	Key	Default	Extra
▶ retail_sales_id	int	NO	PRI	NULL	auto_increment
sku	int	NO	PRI	NULL	
quantity_order	int	NO		NULL	
total_price	decimal(9,2)	YES		NULL	

Inventory table

Field	Type	Null	Key	Default	Extra
▶ sku	int	NO	PRI	NULL	
category	varchar(45)	NO		NULL	
quantity_in_stock	int	NO		NULL	
quantity_needed	int	NO		NULL	

Shipment table

Field	Type	Null	Key	Default	Extra
▶ shipment_id	int	NO	PRI	NULL	auto_increment
sku	int	NO	MUL	NULL	
supplier_id	int	NO	MUL	NULL	
quantity_ordered	int	NO		NULL	
expected_shipment_date	datetime	NO		NULL	
expected_arrival_date	datetime	NO		NULL	

## SQL

```

INSERT INTO customer_record(
first_name,
last_name,
address1,
address2,
city,
state,
zip,
phone1,
phone2,
referred_by,
customer_since,
notes,
mowing,
landscaping,
other)
VALUES ('Jessy','Landoz','1328 Qwerty
DR','NULL','Denver','Colorado',80231,303857388,NULL,NULL,'2021-03-10',NULL,0,1,0 ),

```

Names: Will Huynh, Calista Nguyen, Amey Erdenebileg

```
('Clifford','reddawg','Red Circle
DR',NULL,'Glendwood','Colorado',81601,72097844,NULL,NULL,'2021-01-20','lives far
away',0,0,1 ),
('Wanza','lawp','3433 Westy
DR',NULL,'Boulder','Colorado',80309,72098388,NULL,NULL,'2020-08-11',NULL,1,0,0 ),
('Bobby','Thanks','9459 LakeView
ST',NULL,'Westminster','Colorado',80021,303123456,NULL,NULL,'2010-12-11',NULL,0,1,0 ),
('Billiam','William','Hocus pokus
DR',NULL,'Lafayette','Colorado',80026,720303345,303456987,'Bobby','2021-03-14',NULL,0,1,0
),
('Lily','Park','9876 Gucci
Dr',NULL,'Denver','Colorado',80034,303123453,NULL,NULL,'2021-03-14',NULL,1,0,0);
```

```
INSERT INTO inventory
VALUES
    (0095, "Livestock", 10, 5),
    (9747, "Livestock", 15, 0),
    (4683, "Livestock", 23, 2),
    (2009, "Livestock", 2, 20),
    (0898, "Livestock", 10, 5),
    (2704, "Livestock", 27, 0),
    (3993, "Livestock", 20, 5),
    (5301, "Livestock", 18, 7);
```

```
INSERT INTO inventory
VALUES ('4844', 'Landscaping Materials', '50','0'),
    ('3308', 'Landscaping Materials', '0','100'),
    ('2001', 'Landscaping Materials', '93','7'),
    ('1087', 'Landscaping Materials', '500','0'),
    ('1297', 'Landscaping Materials', '35','125'),
    ('9812', 'Landscaping Materials', '433','50');
```

```
ALTER TABLE supplier AUTO_INCREMENT = 1;
INSERT INTO supplier(category, name, address1, city, state, zip, phone, fax,
shipping_and_billing_terms, preferred)
VALUES
    ("Livestock", "McGinnis Farms Inc.", "1234 Apple St", "Alpharetta", "GA", 32342,
770410388, 770410383, "AP", 1),
    ("Landscaping Materials", "Davidson & Company", "Highway 64 E", "Conway", "AR", 72032,
501327236, 770339089, "DDP", 2);
```

```
INSERT INTO livestock
VALUES
    (0095, "Japanese Maple", "Tree", "A maple native to Japan", 1, 149.95 , 4),
```

Names: Will Huynh, Calista Nguyen, Amey Erdenebileg

```
(5301, "White Birch", "Tree", "Birch native to Northern America", 1, 200.00, 8 ),
(9747, "Weeping Cherry", "Tree", "Tree that produces pink flowers", 1, 179.00, 4),
(4683, "Camellia 'Anticipation'", "Shrub", "Evergreen shrubs with pink flowers", 1, 45.00,
NULL),
(2009, "Japanese Yew", "Shrub", "Large shrub native to Japan", 1, 160.00, NULL),
(0898, "Mock Orange", "Shrub", "Shrub that grows white flowers", 1, 20.00, NULL),
(2704, "Euonymus alatus 'Monstrosus'", "Perennial", "Corky burning bush", 1, 16.00, NULL),
(3993, "Rosa villosa", "Perennial", "Apple rose", 1, 23.00, NULL);
```

```
INSERT INTO landscape_materials
```

```
VALUES ('4844','Cobblestones','Natural Stone','Hand cut, great for new patio or
walkway','4.98','2', 'pallet'),
('3308','Fine Hardwood','Mulch','Premium wood mulch enhances your landscape','3.33','2',
'cubic yards'),
('2001','Pine Bark, Fine','Mulch','Helps retain water and control weeds','6.49','2', 'cubic yards'),
('1087','Barn Red','Gravel','Beautify your landscape with red gravel rocks','7.98','2', 'cubic
yards'),
('1297','Used Railroad Ties (8x8x8)','Timbers','Used railroad ties,
TRACK-EXC-S12A','4.49','2', 'size'),
('9812','Diamondstone','Precast Patio Pavers','Perfect for patio and walkways','6.98','2',
'pallet');
```

```
INSERT INTO retail_sales_ticket
```

```
VALUES ('1','1','2020-01-15 14:30:12','Frank','21.99','4.12','Review terms'),
('2','3','2020-3-29 11:12:55','Frank','15.00','2.59', NULL),
('3','5','2020-3-29 14:20:12','Rachel','16.49','3.02','Negotiate terms'),
('4','6','2020-3-29 12:34:38','Frank','14.33','2.76', NULL);
```

```
INSERT INTO order_details(
```

```
retail_sales_id,
```

```
sku,
```

```
quantity_order,
```

```
total_price)
```

```
VALUES
```

```
('1',0095,2,299.90),
```

```
('1',5301,1,200.00),
```

```
('1',9747,1,179.00),
```

```
('1',2009,1,160.00),
```

```
('2',4844,2,9.96),
```

```
('2',3993,1,23.00),
```

```
('2',9812,20,83.76),
```

Names: Will Huynh, Calista Nguyen, Amey Erdenebileg

```
('2',2704,1,20.00),  
  
('3',1087,10,79.80),  
('3',3993,1,23.00),  
('3',9747,1,179.00),  
('3',2001,93,603.57),  
  
('4',4683,2,90.00),  
('4',0898,2,40.00),  
('4',5301,2,400.00),  
('4',2704,1,23.00);
```

### Queries

#### 10a)

```
SELECT first_name,last_name,address1,city,state,zip,phone1,phone2 FROM customer_record;
```

	first_name	last_name	address1	city	state	zip	phone1	phone2
►	Jessy	Landoz	1328 Qwerty DR	Denver	Colorado	80231	303857388	NULL
	Clifford	reddawg	Red Circle DR	Glendwood	Colorado	81601	72097844	NULL
	Wanza	lawp	3433 Westy DR	Boulder	Colorado	80309	72098388	NULL
	Bobby	Thanks	9459 LakeView ST	Westminster	Colorado	80021	303123456	NULL
	Billiam	William	Hocus pokus DR	Lafayette	Colorado	80026	720303345	303456987
	Lily	Park	9876 Gucci Dr	Denver	Colorado	80034	303123453	NULL

#### 10b)

```
SELECT L.category, L.sku, L.description, L.size_ft, I.quantity_in_stock  
FROM livestock L, inventory I  
WHERE L.sku = I.sku;
```

	category	sku	description	size_ft	quantity_in_stock
►	Tree	95	A maple native to Japan	4	10
	Shrub	898	Shrub that grows white flowers	NULL	10
	Shrub	2009	Large shrub native to Japan	NULL	2
	Perennial	2704	Corky burning bush	NULL	27
	Perennial	3993	Apple rose	NULL	20
	Shrub	4683	Evergreen shrubs with pink flowers	NULL	23
	Tree	5301	Birch native to Northern America	8	18
	Tree	9747	Tree that produces pink flowers	4	15

[illegible]