

ONLINE SHOESTORE APPLICATION

PROJECT FOR SQL MODULE

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1. DESCRIPTION.

Following database schema is designed to function as a backend storage database for online web application.

By storing information in relation database, all the tasks related to daily functioning of the online

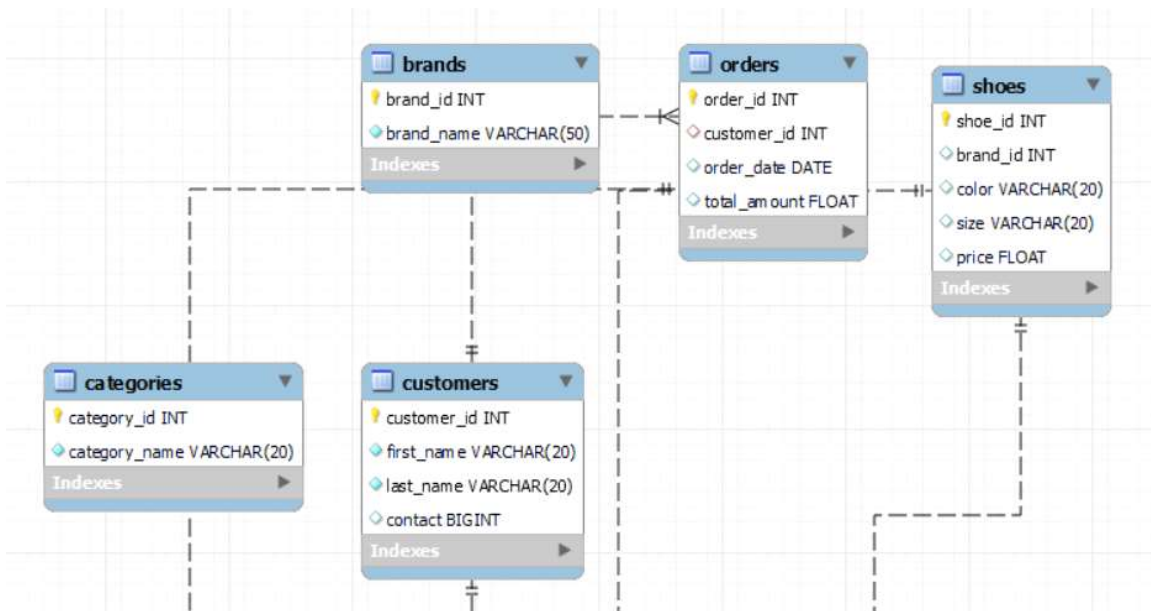
shop can be performed easily and much more effective .Some of the benefits of using this system to store data over traditional paper registers as follows:

- a) Update and modifying product list of the shoestore is much easier and effective .
- b) Maintaining customers detail and their contact and their activities are easier and effective.

2. This database contains 5 tables:

- 1.Brands.
- 2. Categories.
- 3.Shoes.
- 4.customers.
- 5.Orders.

3.ER DIAGRAM.



```
mysql> desc brands;
```

```

+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| brand_id | int | NO | PRI | NULL | |
| brand_name | varchar(20) | NO | | NULL | |
+-----+-----+-----+-----+-----+

```

2 rows in set (0.01 sec)

```
mysql> desc categories;
```

```

+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+

```

category_id	int	NO	PRI	NULL		
category_name	varchar(20)	NO		NULL		

+-----+-----+-----+-----+-----+

2 rows in set (0.00 sec)

mysql> desc shoes;

Field	Type	Null	Key	Default	Extra	
-------	------	------	-----	---------	-------	--

+-----+-----+-----+-----+-----+

shoe_id	int	NO	PRI	NULL		
brand_id	int	YES	MUL	NULL		
category_id	int	YES	MUL	NULL		
color	varchar(20)	YES		NULL		
size	varchar(20)	YES		NULL		
price	float	YES		NULL		

+-----+-----+-----+-----+-----+

6 rows in set (0.01 sec)

mysql> desc customers;

Field	Type	Null	Key	Default	Extra	
-------	------	------	-----	---------	-------	--

+-----+-----+-----+-----+-----+

customer_id	int	NO	PRI	NULL		
first_name	varchar(20)	NO		NULL		

last_name	varchar(20)	NO		NULL		
-----------	-------------	----	--	------	--	--

contact	bigint	YES		NULL		
---------	--------	-----	--	------	--	--

+-----+	+-----+	+-----+	+-----+	+-----+	+-----+	+-----+
---------	---------	---------	---------	---------	---------	---------

4 rows in set (0.00 sec)

mysql> desc orders;

+-----+	+-----+	+-----+	+-----+	+-----+	+-----+	+-----+
---------	---------	---------	---------	---------	---------	---------

Field	Type	Null	Key	Default	Extra	
-------	------	------	-----	---------	-------	--

+-----+	+-----+	+-----+	+-----+	+-----+	+-----+	+-----+
---------	---------	---------	---------	---------	---------	---------

order_id	int	NO	PRI	NULL		
----------	-----	----	-----	------	--	--

customer_id	int	YES	MUL	NULL		
-------------	-----	-----	-----	------	--	--

order_date	date	YES		NULL		
------------	------	-----	--	------	--	--

total_amount	float	YES		NULL		
--------------	-------	-----	--	------	--	--

+-----+	+-----+	+-----+	+-----+	+-----+	+-----+	+-----+
---------	---------	---------	---------	---------	---------	---------

4 rows in set (0.00 sec)

mysql> use soulstore;

Database changed

mysql> create table Brands (brand_id int primary key, brand_name varchar(20) not null);

Query OK, 0 rows affected (0.01 sec)

mysql> create table Categories (category_id int primary key, category_name varchar(20) not null);

Query OK, 0 rows affected (0.01 sec)

```
mysql> create table Shoes(shoe_id int primary key, brand_id int, category_id int, color
varchar(20), size varchar(20), price float, foreign key (brand_id) references Brands(brand_id),
foreign key (category_id) references categories(category_id));
```

Query OK, 0 rows affected (0.02 sec)

```
mysql> create table customers(customer_id int primary key, first_name varchar(20) not null,
last_name varchar(20) not null, contact bigint);
```

Query OK, 0 rows affected (0.01 sec)

```
mysql> create table Orders(order_id int primary key, customer_id int, order_date date,
total_amount float, foreign key (customer_id) references customers(customer_id));
```

Query OK, 0 rows affected (0.02 sec)

```
mysql> insert into brands(brand_id, brand_name) values
(1,"Puma"),(2,"Adidas"),(3,"NB"),(4,"Nike"),(5,"UA"),(6,"lee
copper"),(7,"Skechers"),(8,"Redtape"),(9,"Reebok"),(10,"Chanel"),(11,"Hush
Puppies"),(12,"Asics");
```

Query OK, 12 rows affected (0.01 sec)

```
mysql> insert into categories(category_id, category_name) values
(1,"Running"),(2,"sports"),(3,"sports"),(4,"athletics"),(5,"gym"),(6,"Formals"),(7,"casual"),(8,"wa
lking"),(9,"athletics"),(10,"Formals"),(11,"casual"),(12,"sports");
```

Query OK, 12 rows affected (0.01 sec)

```
mysql> insert into shoes(shoe_id,brand_id,category_id, color,size, price) values(2,2,2,"black",
"9",5000),(3,3,3,"sky blue", "10",7000),(4,4,4,"grey", "9",7000),(5,5,5,"military green",
"7",9000),(6,6,6,"wood brown", "5",3000),(7,7,7,"pink", "11",3500),(8,8,8,"orange",
"5",2500),(9,9,9,"black", "9",4500),(10,10,10,"wood brown", "7",5500),(11,11,11,"white",
```

```
"10",3500),(12,12,12,"grey black", "9",7500);
```

Query OK, 11 rows affected (0.00 sec)

```
mysql> insert into customer(customer_id, first_name, last_name, contact) values(101, "Om",  
"sawant", 9321647153);
```

ERROR 1146 (42S02): Table 'soulstore.customer' doesn't exist

```
mysql> insert into customers(customer_id, first_name, last_name, contact) values(101, "Om",  
"sawant", 9321647153);
```

Query OK, 1 row affected (0.01 sec)

```
mysql> insert into customers(customer_id, first_name, last_name, contact) values(102,  
"Nandita", "sawant", 9321735159),(103, "Mukta", "parab", 8257158260),(104, "Ganesh",  
"sawant", 9894925071),(105, "Durga", "chavan", 9985163079),(106, "Rohan", "parab",  
9731637191);
```

Query OK, 5 rows affected (0.00 sec)

Records: 5 Duplicates: 0 Warnings: 0

```
mysql> insert into customers(customer_id, first_name, last_name, contact) values(107,  
"Dhiraj", "kadam", 9647982150),(108, "Vinay", "ghadigaokar", 3497659130),(109, "Sidhant",  
"joshi", 7469731551),(110, "Karan", "shinde", 3798647920),(111, "Pooja", "sawant",  
3791534230);
```

Query OK, 5 rows affected (0.01 sec)

Records: 5 Duplicates: 0 Warnings: 0

```
mysql> insert into customers(customer_id, first_name, last_name, contact) values(112,  
"shubham", "sathe", 9648290373);
```

Query OK, 1 row affected (0.01 sec)

```
mysql> insert into orders(order_id, customer_id, total_amount) values (1,101,3000);
```

```
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into orders(order_id, customer_id, total_amount) values (2,102,5000);
```

```
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into orders(order_id, customer_id, total_amount) values (3,103,7000);
```

```
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into orders(order_id, customer_id, total_amount) values (4,104,7000);
```

```
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into orders(order_id, customer_id, total_amount) values (5,105,9000);
```

```
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into orders(order_id, customer_id, total_amount) values (6,106,3000);
```

```
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into orders(order_id, customer_id, total_amount) values (7,107,3500);
```

```
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into orders(order_id, customer_id, total_amount) values (8,108,2500);
```

```
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into orders(order_id, customer_id, total_amount) values (9,109,4500);
```

```
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into orders(order_id, customer_id, total_amount) values (10,110,5500);
```

```
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into orders(order_id, customer_id, total_amount) values (11,111,3500);
```

```
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into orders(order_id, customer_id, total_amount) values (12,112,7500);
```

```
Query OK, 1 row affected (0.00 sec)
```

```
mysql> select order_id, order_date, total_amount from orders where customer_id = (select  
customer_id from customers where first_name = "om" and last_name = "sawant");
```