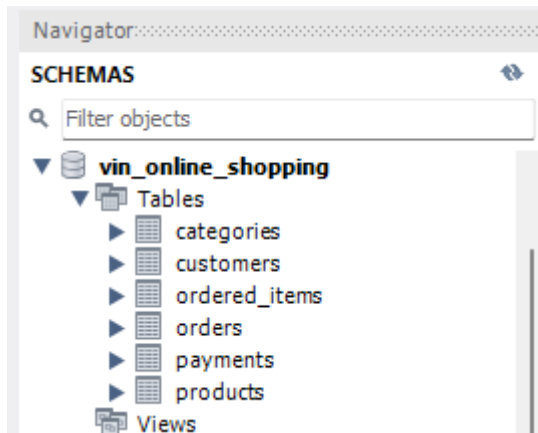
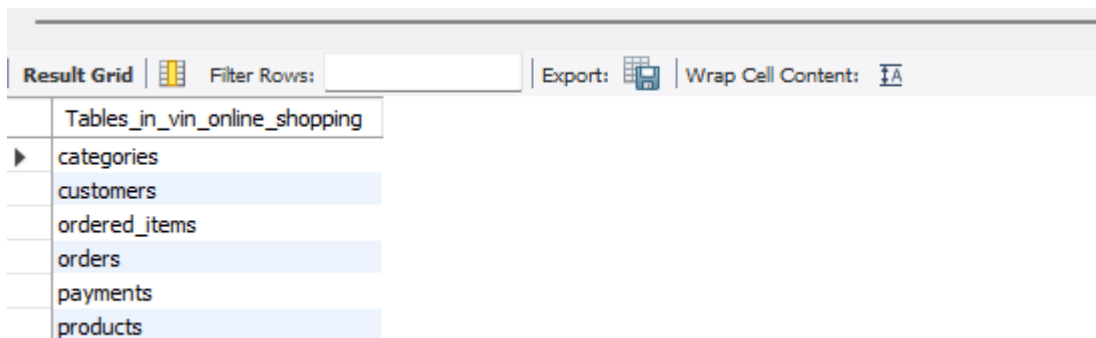


## 1) Schema and Tables Testing

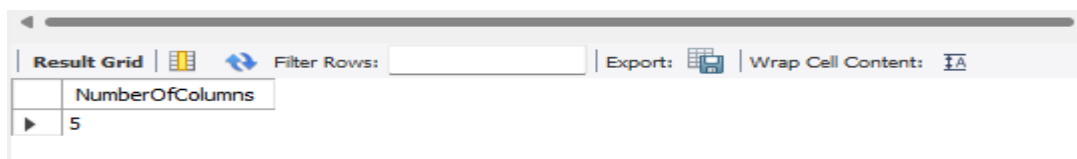
### ST\_TC-001:



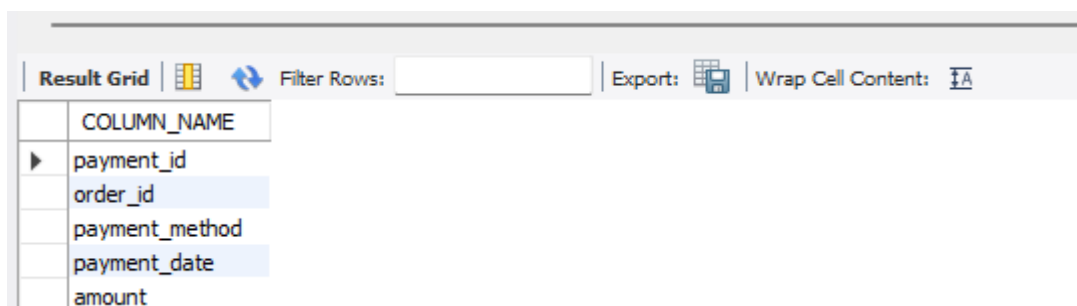
### ST\_TC-002:



### ST\_TC-003:



### ST\_TC-004:



### ST\_TC-005:

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	COLUMN_NAME	DATA_TYPE			
▶	product_id	int			
	product_name	varchar			
	product_description	text			
	price	decimal			
	quantity_on_hand	int			
	category_id	int			

### ST\_TC-006:

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	COLUMN_NAME	COLUMN_TYPE			
▶	category_id	int			
	category_name	varchar(50)			

### ST\_TC-007:

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	COLUMN_NAME	IS_NULLABLE			
▶	ordered_item_id	NO			
	order_id	YES			
	product_id	YES			
	quantity	YES			
	unit_price	YES			

### ST\_TC-008:

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	COLUMN_NAME	COLUMN_KEY			
▶	ordered_item_id	PRI			
	order_id	MUL			
	product_id	MUL			
	quantity				
	unit_price				

## 2) Data Insertion Testing

### DT\_TC-001:

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	customer_id	first_name	last_name	email	password	address	city	province	postal_code	country
▶	100	Bogani	Dlamini	BonganiD@yahoo.com	Bongani@123	123 John Doe Street	Johannesburg	Gauteng	2001	South Africa
	101	John	Doe	johnD@gmail.com	Doe@123	245 John Doe Street	John Doe	New York	3481	United State America
	102	Tebogo	Zondoo	TZ@yahoo.com	TZ@123	123 John Doe Street	LiverPool	London	56358	England

### DT\_TC-002:

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

IA

	category_id	category_name
▶	300	Games
	301	Laptops
	302	Watches
	303	Internet Routers
	304	Phone

### DT\_TC-003:

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	product_id	product_name	product_description	price	quantity_on_hand	category_id
▶	200	iPhone 16	Blue Cover	1149.51	20	304
	201	iPhone 15	Black Cover	949.43	13	304
	202	Honor Band 9	Black Band	19.55	120	302
	203	Lenovo Ideapad	Core i3 500GB	5149.12	10	301
	204	Huawei MateBook	D14 i3 512GB	6528.43	5	301
	205	Play Station 5	PS5 Digital Slim	1149.55	20	300
	206	Huawei B535	Home Router	1253.28	15	303

### DT\_TC-004:

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
order_id	customer_id	order_date	total_cost
400	100	2024-11-15 02:18:16	2299.02

### DT\_TC-005:

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	ordered_item_id	order_id	product_id	quantity	unit_price
▶	500	400	200	2	1149.51

DT\_TC-006:

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	payment_id	order_id	payment_method	payment_date	amount
	600	NULL	Credit Card	2024-11-15 02:32:44	NULL

3) Data Deletion

DD\_TC-001:

Result Grid										Filter Rows:	Export:	Wrap Cell Content:						
customer_id										first_name	last_name	email	password	address	city	province	postal_code	country
▶	100	Bogani	Dlamini	BonganiD@yahoo.com	Bongani@123	123 John Doe Street	Johannesburg	Gauteng	2001	South Africa								
	101	John	Doe	johnD@gmail.com	Doe@123	245 John Doe Street	John Doe	New York	3481	United State America								
	102	Tebogo	Zondoo	TZ@yahoo.com	TZ@123	123 John Doe Street	LiverPool	London	56358	England								
	103	Tebogo	Zondoo	TZ@yahoo.com	TZ@123	123 John Doe Street	LiverPool	London	56358	England								

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	customer_id	first_name	last_name	email	password	address	city	province	postal_code	country
▶	100	Bogani	Dlamini	BonganiD@yahoo.com	Bongani@123	123 John Doe Street	Johannesburg	Gauteng	2001	South Africa
	101	John	Doe	johnD@gmail.com	Doe@123	245 John Doe Street	John Doe	New York	3481	United State America
	102	Tebogo	Zondoo	TZ@yahoo.com	TZ@123	123 John Doe Street	LiverPool	London	56358	England

DD\_TC-002:

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	customer_id	first_name	last_name	email	password	address	city	province	postal_code	country
▶	100	Bogani	Dlamini	BonganiD@yahoo.com	Bongani@123	123 John Doe Street	Johannesburg	Gauteng	2001	South Africa
	101	John	Doe	johnD@gmail.com	Doe@123	245 John Doe Street	John Doe	New York	3481	United State America
	102	Tebogo	Zondoo	TZ@yahoo.com	TZ@123	123 John Doe Street	LiverPool	London	56358	England
	103	Tebogo	Zondoo	TZ@yahoo.com	TZ@123	123 John Doe Street	LiverPool	London	56358	England

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	customer_id	first_name	last_name	email	password	address	city	province	postal_code	country
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#### DD\_TC-003:

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	product_id	product_name	product_description	price	quantity_on_hand	category_id
▶	200	iPhone 16	Blue Cover	1149.51	18	304
	201	iPhone 15	Black Cover	949.43	13	304
	202	Honor Band 9	Black Band	19.55	120	302
	203	Lenovo Ideapad	Core i3 500GB	5149.12	10	301
	204	Huawei MateBook	D14 i3 512GB	6528.43	5	301
	205	Play Station 5	PS5 Digital Slim	1149.55	20	300
	206	Huawei B535	Home Router	1253.28	15	303

Result Grid

Filter Rows:


Export:

Wrap Cell Content:


	product_id	product_name	product_description	price	quantity_on_hand	category_id


#### DD\_TC-004:

Result Grid




Filter Rows:

Export: 


Wrap Cell Content: 


	category_id	category_name
▶	300	Games
	301	Laptops
	302	Watches
	303	Internet Routers
	304	Phone

Result Grid



Filter Rows:

Export: 

Wrap Cell Content: 

	category_id	category_name
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#### 4) Foreign Key Constraints

Error Code: 1452. Cannot add or update a child row: a foreign key constraint fails, was on all insertions processed.

## 5) Stored Procedure Execution

### SP\_TC-008:

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	NumberOfColumns			
▶	5			

### SP\_TC-009:

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	COLUMN_NAME			
▶	amount			
	order_id			
	payment_date			
	payment_id			
	payment_method			

### SP\_TC-010:

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	COLUMN_NAME	DATA_TYPE		
▶	category_id	int		
	price	decimal		
	product_description	text		
	product_id	int		
	product_name	varchar		
	quantity_on_hand	int		

### SP\_TC-011:

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	COLUMN_NAME	COLUMN_TYPE		
▶	category_id	int		
	price	decimal(10,2)		
	product_description	text		
	product_id	int		
	product_name	varchar(50)		
	quantity_on_hand	int		

**SP\_TC-012:**

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	COLUMN_NAME	IS_NULLABLE			
▶	amount	YES			
	order_id	YES			
	payment_date	YES			
	payment_id	NO			
	payment_method	YES			

**SP\_TC-013:**

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	COLUMN_NAME	COLUMN_KEY			
▶	order_id	MUL			
	ordered_item_id	PRI			
	product_id	MUL			
	quantity				
	unit_price				