



PF102 Final Project: Inventory Management System for CiTech Computer Parts Shop

IT4A Group Members:

Mitra, Charles Brian C.

Quinto, Gianne Francis P.

Rosales, Anthony Christian A.

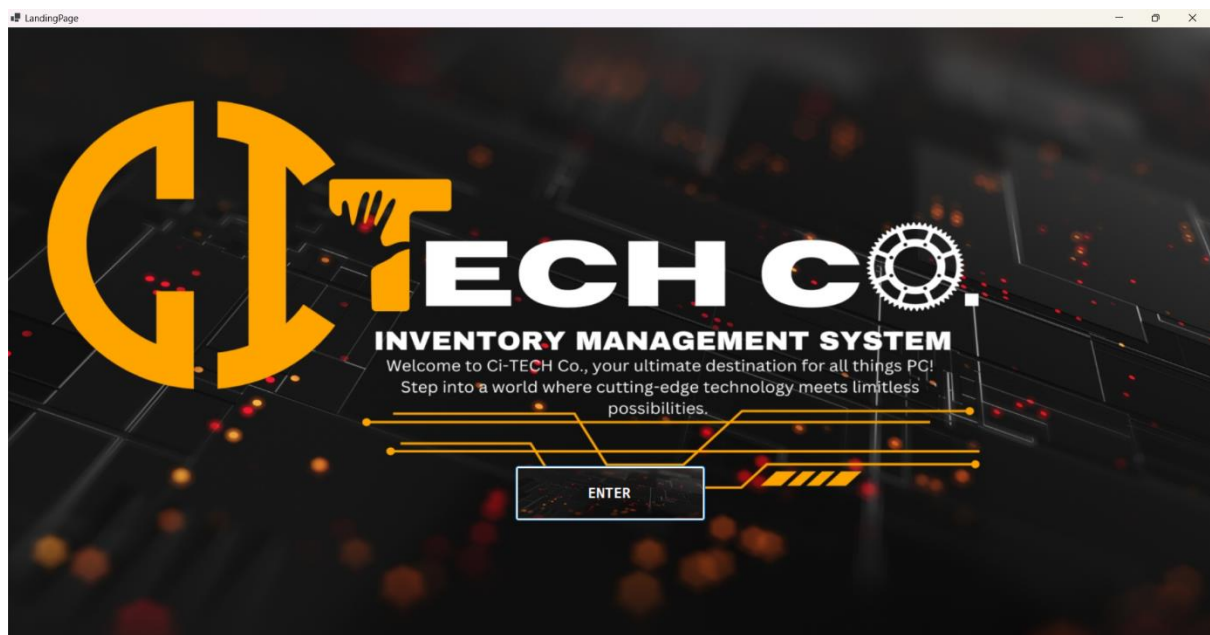
Torres, Juan Miguel C.

System Description/Purpose:

An inventory system that offers accurate computer parts inventory tracking and process. This system allows users to effectively monitor and update inventory records that ensures accurate stock levels, efficient order management, and optimal resource utilization as well as view the sales of the products. The system uses MySQL database.

System Features:

1. Landing Page – This is the first page that the users will see when first opening the system.



2. Login Page – The login page lets the user login to the system. The inventory system has two types of users: the admin and the staff. If the user logs in using an admin account, it will lead to the admin dashboard. If the user logs in with a staff account, it will lead to the staff dashboard. It also has login validation in case there is an error in the login credentials or connection the database.



Form1

TECH CO.

USERNAME:

PASSWORD:

LOGIN

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USERNAME:
admin

PASSWORD:

LOGIN

Login Success
Admin Login is Successful
OK

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USERNAME:
anthony_user

PASSWORD:

LOGIN

Login Success
Staff Login is Successful
OK

TECH CO.

USERNAME:
anthony_user1

PASSWORD:

LOGIN

Login Error
Invalid credentials. Please try again.
OK

TECH CO.

USERNAME:
anthony_user

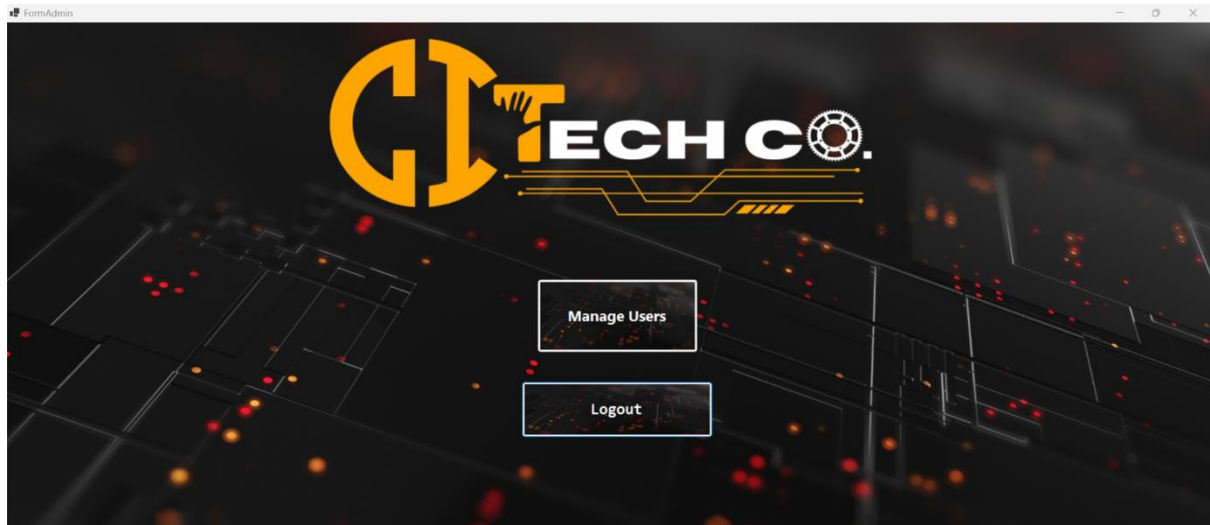
PASSWORD:

LOGIN

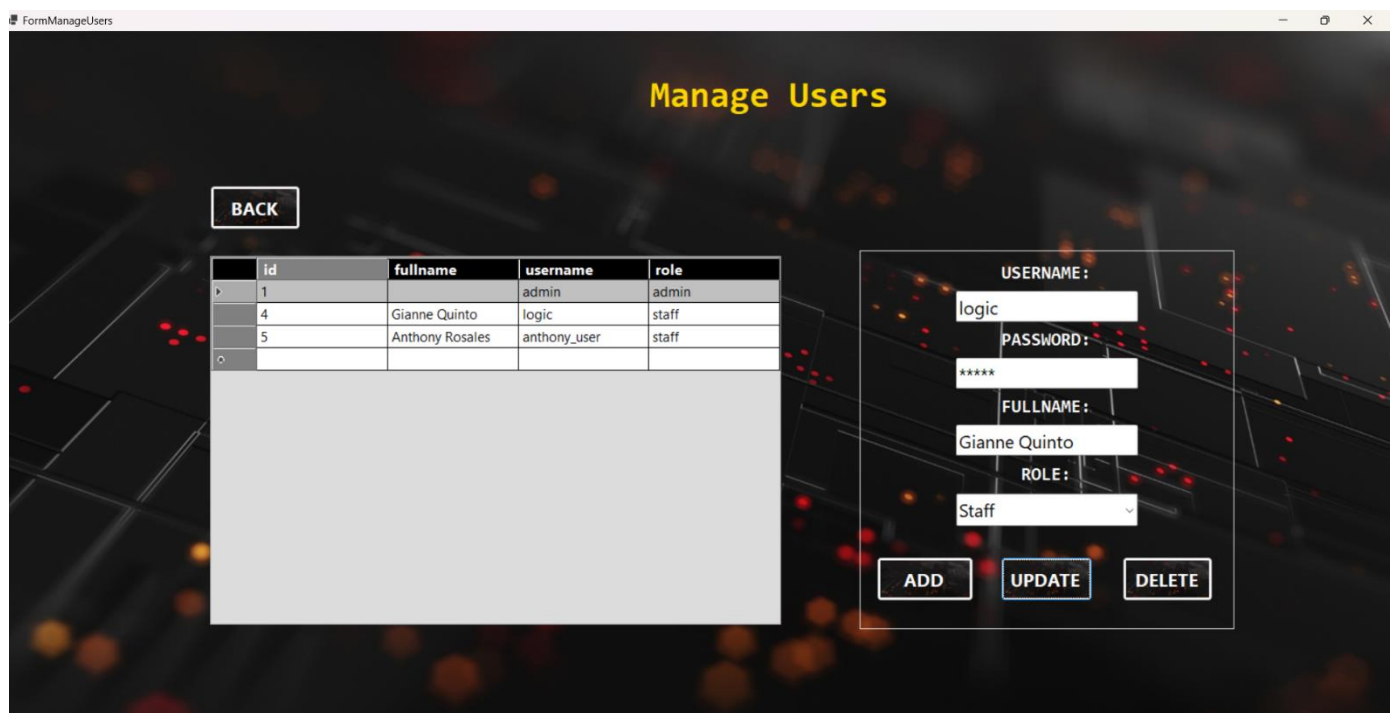
Database Connection Error
Error: Connection must be valid and open.
OK



3. Admin Dashboard – The admin account lets the user access the admin dashboard. The admin can manage the accounts created in the system.



4. Manage Users – This feature allows the admin to manage accounts in the system. It can let the admin update existing accounts, add new accounts, and delete accounts. When adding new account, the admin must choose whether it is a staff account or an admin account.





Manage Users

BACK

id	fullname	username	role
1		admin	admin
4	12345	logic	staff
5	Anthony Rosales	anthony_user	staff

Success
User updated successfully!

USERNAME: logic
PASSWORD: *****
FULLNAME: Gianne Quinto
ROLE: Staff

ADD UPDATE DELETE

Manage Users

BACK

id	fullname	username	role
1		admin	admin
4	Gianne Quinto	logic	staff
5	Anthony Rosales	anthony_user	staff

Success
New user added successfully!

USERNAME: juan_user
PASSWORD: *****
FULLNAME: Juan Miguel Torres
ROLE: Staff

ADD UPDATE DELETE

Manage Users

BACK

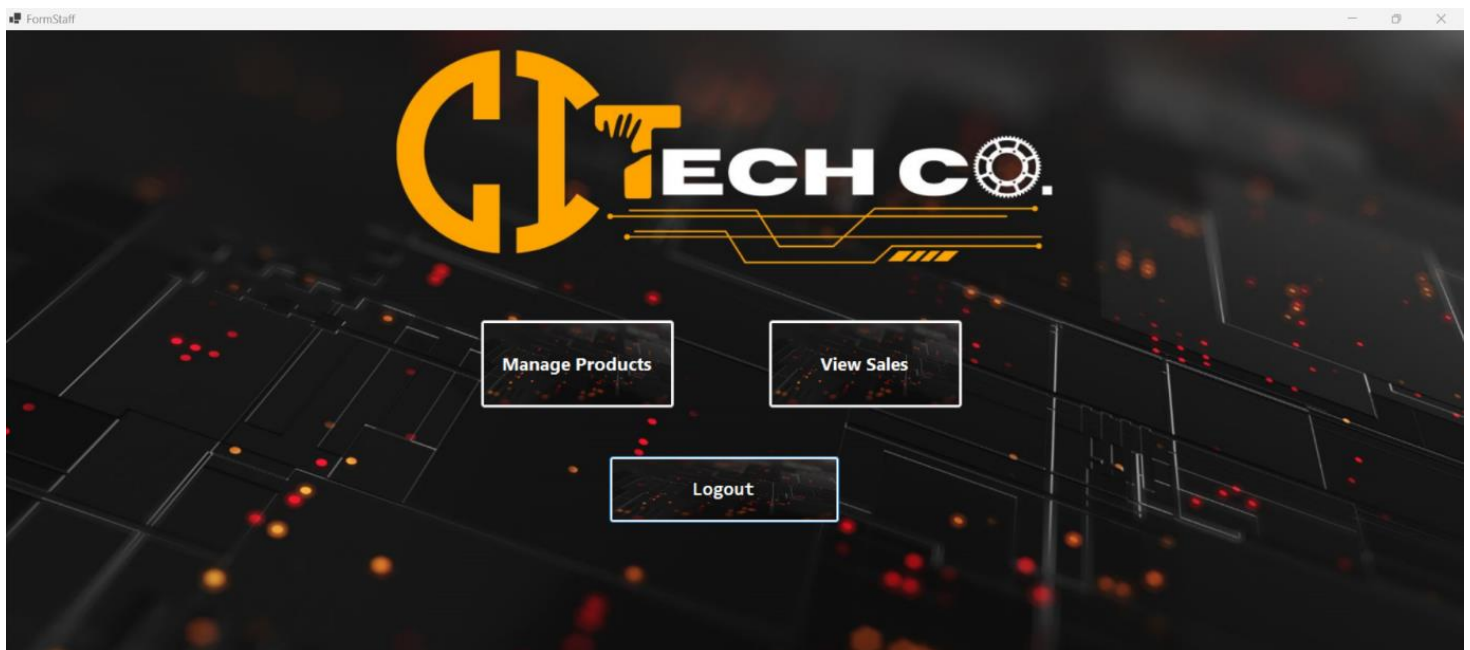
id	fullname	username	role
1		admin	admin
4	Gianne Quinto	logic	staff
5	Anthony Rosales	anthony_user	staff
6	Juan Miguel Torres	juan_user	staff
7	dfsfdsf	dsfsdf	staff

Success
User deleted successfully!

USERNAME:
PASSWORD:
FULLNAME:
ROLE:

ADD UPDATE DELETE

5. Staff Dashboard – The staff account lets the user access the staff dashboard. The staff account lets the user access the manage products and view sales features.





6. Manage Products - This feature allows the staff to manage the inventory of computer parts in the system. It can let the users update existing products, add new products, delete products and upload the image of the product. When adding a new product, the staff must choose first what category of the product before entering the details of the product. When updating the product, the staff must click the entire row of the product in order to select and update it. The manage products also has a search function in which the staff can search for the name of product for easier find. The product can be filtered by category by choosing the category in the dropdown menu. It also has an export button in which it exports the inventory data to an Excel file.

The screenshot shows the 'FormManageProducts' window. On the left is a form for adding or editing a product with fields for Name, Price, Stock, and Description, and buttons for Upload, Edit, and Delete. On the right is a table listing products with columns for id, product_name, category_name, price, stock, and description. Below the table are buttons for 'Add New Stock Item' and 'Export'. A search bar and a category dropdown are at the top of the table area. An image of a white gaming mouse is shown on the far right.

id	product_name	category_name	price	stock	description
3	ROG mouse	Mouse	250.00	4	mouse
5	Logitech G102	Mouse	200.00	1	Mouse
7	Razor V3	Mouse	99.00	2	Gaming Mouse
9	Logitech	Mouse	5000.00	3	Mouse
11	Logitech G Pro	Mouse	7000.00	2	Wireless Mouse
12	Logitech G Pro...	Mouse	12000.00	3	Wireless Mouse
18	ROG Puglio	Mouse	3000.00	4	Gaming Mouse
39	Attack Sharv V3	Mouse	3600.00	7	Gaming Mouse
43	MX Master 3S ...	Mouse	3000.00	5	Best Mouse for...
2	Logitech Signa...	Keyboard	4500.00	3	Wireless Keyb...
8	Razer Blackwid...	Keyboard	12300.00	3	Mechanical Ga...

Adding a new product:

This screenshot shows the same interface as the previous one, but with the 'Name' field filled with 'Mouse Pro', the 'Price' field with '400', and the 'Stock' field with '5'. A success message box is displayed over the table, stating 'Product added successfully!'. The category dropdown is set to 'Mouse'. The image of the white gaming mouse is still visible on the right.

id	product_name	category_name	price	stock	description
3	ROG mouse	Mouse	250.00	4	mouse
5	Logitech G102	Mouse	200.00	1	Mouse
7	Razor V3	Mouse	99.00	2	Gaming Mouse
9	Logitech	Mouse	5000.00	3	Mouse
11	Logitech G Pro	Mouse	7000.00	2	Wireless Mouse
12	Logitech G Pro...	Mouse	12000.00	3	Wireless Mouse
18	ROG Puglio	Mouse	3000.00	4	Gaming Mouse
39	Attack Sharv V3	Mouse	3600.00	7	Gaming Mouse
43	MX Master 3S ...	Mouse	3000.00	5	Best Mouse for...
2	Logitech Signa...	Keyboard	4500.00	3	Wireless Keyb...
8	Razer Blackwid...	Keyboard	12300.00	3	Mechanical Ga...



Updating a product:

Back

Name: Mouse Pro 2

Price: 400.00

Stock: 5

Description: Pro Mouse for Home

Upload Save Delete

Success: Product updated successfully!

Mouse

id	product_name	category_name	price	stock	description
3	ROG mouse	Mouse	250.00	4	mouse
	Logitech G102	Mouse	200.00	1	Mouse
	Razor V3	Mouse	99.00	2	Gaming Mouse
	Logitech	Mouse	5000.00	3	Mouse
	Logitech G Pro	Mouse	7000.00	2	Wireless Mouse
	Logitech G Pro ...	Mouse	12000.00	3	Wireless Mouse
	ROG Pugio	Mouse	3000.00	4	Gaming Mouse
39	Attack Sharv V3	Mouse	3600.00	7	Gaming Mouse
43	MX Master 3S ...	Mouse	3000.00	5	Best Mouse for ...
45	Mouse Pro 2	Mouse	400.00	5	Pro Mouse for ...

Add New Stock Item Export

Deleting a product:

Back

Name:

Price:

Stock:

Description:

Upload Edit Delete

Success: Product deleted successfully!

Mouse

id	product_name	category_name	price	stock	description
3	ROG mouse	Mouse	250.00	4	mouse
	Logitech G102	Mouse	200.00	1	Mouse
	Razor V3	Mouse	99.00	2	Gaming Mouse
	Logitech	Mouse	5000.00	3	Mouse
	Logitech G Pro	Mouse	7000.00	2	Wireless Mouse
	Logitech G Pro ...	Mouse	12000.00	3	Wireless Mouse
	ROG Pugio	Mouse	3000.00	4	Gaming Mouse
39	Attack Sharv V3	Mouse	3600.00	7	Gaming Mouse
43	MX Master 3S ...	Mouse	3000.00	5	Best Mouse for ...
44	Mouse Pro 2	Mouse	400.00	10	Pro Mouse

Add New Stock Item Export

Using Search:

Back

Name:

Price:

Stock:

Description:

Upload Edit Delete

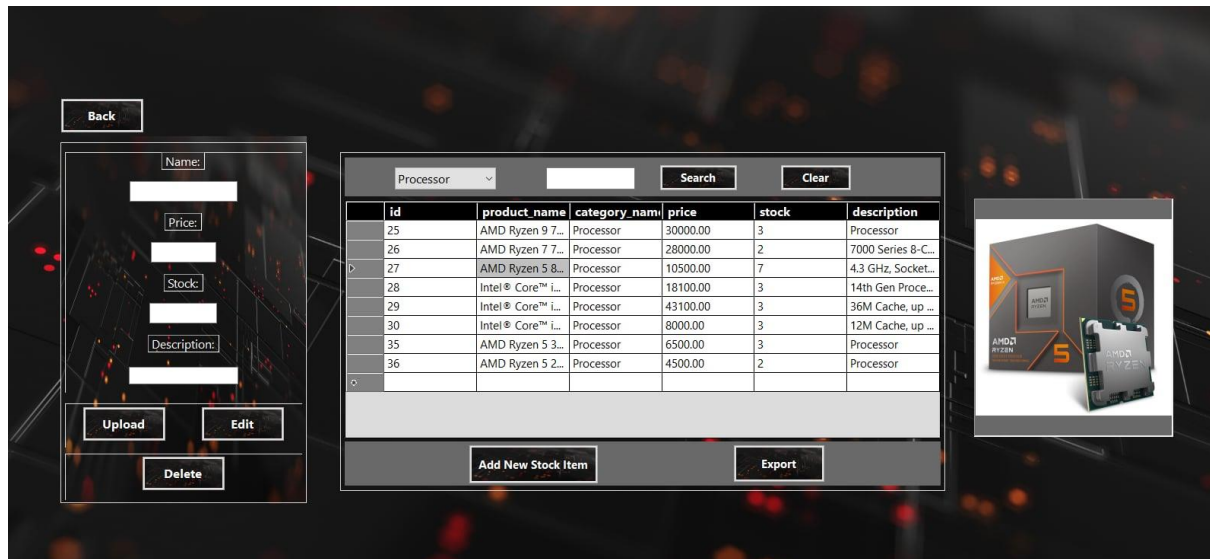
All Categories Logitech Search Clear

id	product_name	category_name	price	stock	description
5	Logitech G102	Mouse	200.00	1	Mouse
9	Logitech	Mouse	5000.00	3	Mouse
11	Logitech G Pro	Mouse	7000.00	2	Wireless Mouse
12	Logitech G Pro ...	Mouse	12000.00	3	Wireless Mouse
2	Logitech Signat...	Keyboard	4500.00	3	Wireless Keybo...

Add New Stock Item Export



Filtered by categories:



Exported inventory table in MS Excel when using the export feature:

	A	B	C	D	E	F
1	id	product_name	category_name	price	stock	description
2	3	ROG mouse	Mouse	250	4	mouse
3	5	Logitech G102	Mouse	200	1	Mouse
4	7	Razer V3	Mouse	99	2	Gaming Mouse
5	9	Logitech	Mouse	5000	3	Mouse
6	11	Logitech G Pro	Mouse	7000	2	Wireless Mouse
7	12	Logitech G Pro X Superlight	Mouse	12000	3	Wireless Mouse
8	18	ROG Pugio	Mouse	3000	4	Gaming Mouse
9	39	Attack Sharv V3	Mouse	3600	7	Gaming Mouse
10	43	MX Master 3S Wireless Bluetooth Mouse	Mouse	3000	5	Best Mouse for Work
11	45	Mouse Pro 2	Mouse	400	5	Pro Mouse for Home
12	2	Logitech Signature Slim K950	Keyboard	4500	3	Wireless Keyboard
13	8	Razer Blackwidow V4 Pro	Keyboard	12300	3	Mechanical Gaming Keyboard
14	16	Razer Blackwidow V4 Pro	Keyboard	12300	3	Mechanical Gaming Keyboard
15	17	Razer BlackWidow V3 Mini Hyperspeed Phantom Edition	Keyboard	9000	5	Wireless Mechanical Gaming Keyboard
16	20	ASUS ROG Strix Flare	Keyboard	25000	3	Mechanical Gaming Keyboard
17	33	Royal Kludge 61	Keyboard	2500	6	Mechanical Gaming Keyboard
18	34	Royal Kludge 71	Keyboard	3500	6	Mechanical Gaming Keyboard
19	38	Razer Chroma	Keyboard	7800	3	Gaming Keyboard
20	1	Dell Alienware AW3225QF	Monitor	2500	8	Huawei Monitor
21	4	Lenovo Monitor	Monitor	10000	4	Monitor
22	13	Gigabyte GP-G34WQC	Monitor	26000	3	144Hz Monitor
23	19	LENOVO 27" R27Q-30 Legion	Monitor	16000	3	Gaming Monitor
24	21	asus tuf gaming vg27aq3a	Monitor	15000	2	27-inch 180hz gaming monitor
25	31	Lenovo Gsync	Monitor	12100	2	Gaming Monitor
26	32	BENQ	Monitor	6000	4	Monitor
27	37	ANvision EG24S1 PRO	Monitor	5100	3	Gaming Monitor
28	10	WD Purple 1TB	Storage	2500	5	1TB Storage
29	15	Kingston NV3 1TB	Storage	2500	8	NVMe SSD PCIe 4.0 Gen 4x4 Up to 6000 MB/s



7. View Sales - This lets the staff see the current sales of the products. It can be filtered by date. It also has an export feature to export the sales data to an Excel file.

FormSalesOverview

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Wednesday, 18 December 2024 Wednesday, 18 December 2 Filter

	Product Name	Date	Total Quantity Sold	Total Revenue
▷	Dell Alienware AW3225QF	29/11/2024 5:42 pm	33	82500.00
	Lenovo Monitor	08/11/2024 5:00 pm	12	42000.00
	Logitech Signature Slim K9...	05/11/2024 2:30 pm	12	6000.00
	ROG mouse	07/11/2024 4:10 pm	8	2000.00
◊				

Export

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Back

Tuesday , 29 October 2024 Sunday , 3 November 2 Filter

	Product Name	Date	Total Quantity Sold	Total Revenue
▷	Dell Alienware AW3225QF	01/11/2024 10:30 am	10	25000.00
	Logitech Signature Slim K9...	02/11/2024 11:00 am	5	2500.00
◊				

Export

	A	B	C	D	E
1	Product Name	Date	Total Quantity Sold	Total Revenue	
2	Dell Alienware AW3225QF	29/11/2024 5:42:18 pm	33	82500	
3	Lenovo Monitor	11/08/2024 17:00	12	42000	
4	Logitech Signature Slim K950	11/05/2024 14:30	12	6000	
5	ROG mouse	11/07/2024 16:10	8	2000	
6					
7					