

# SE PROJECT

## POS SIMULATOR WEB APPLICATION

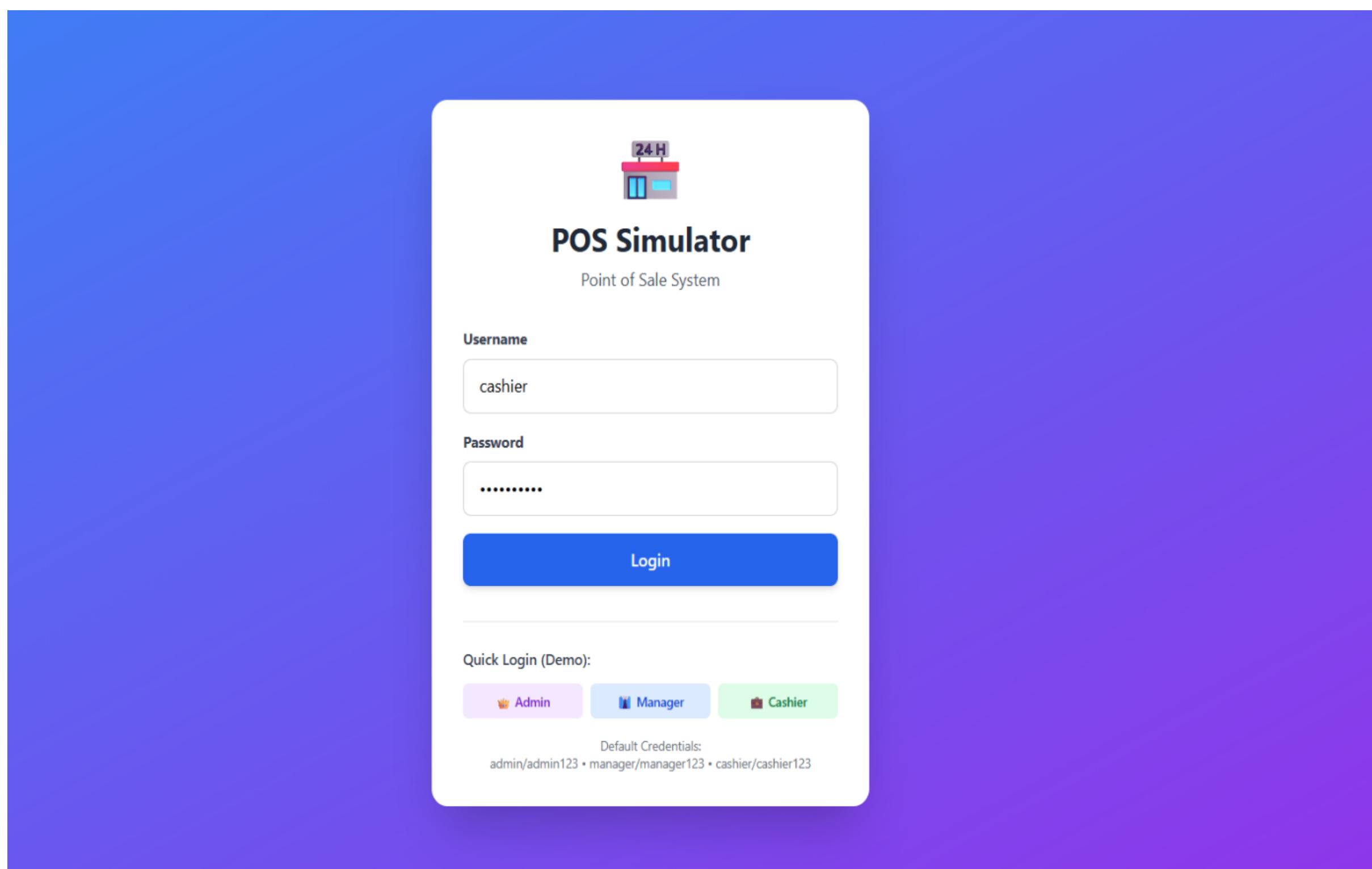
MITHUN NAIK PES1UG23AM171

NARAYANA S PES1UG23AM179

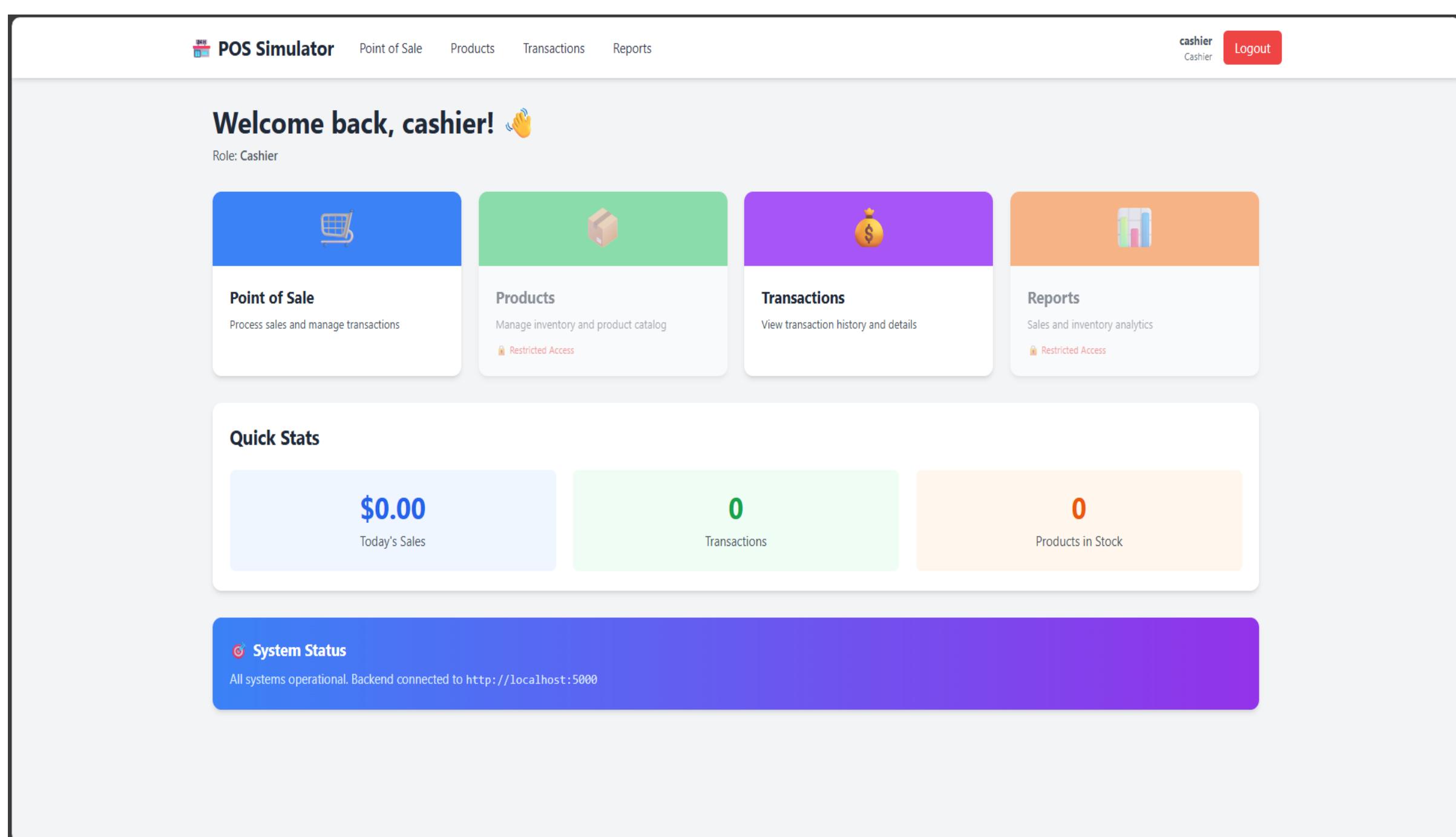
DIMPU KUMAR PES1UG24AM803

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Login page for 3 users Admin,Manager,Cashier



## Cashier Dashboard



The screenshot shows the POS Simulator Cashier Dashboard. At the top, there's a header with the logo "POS Simulator", navigation links for "Point of Sale", "Products", "Transactions", and "Reports", and a user session indicator "cashier" (Cashier) with a "Logout" button.

The main area starts with a welcome message "Welcome back, cashier! 🙌" and a role indicator "Role: Cashier". Below this is a row of four cards:

- Point of Sale**: Process sales and manage transactions. (Blue card)
- Products**: Manage inventory and product catalog. (Green card)
- Transactions**: View transaction history and details. (Purple card)
- Reports**: Sales and inventory analytics. (Orange card)

Underneath these cards is a section titled "Quick Stats" containing three summary boxes:

- \$0.00** Today's Sales (Light Blue box)
- 0** Transactions (Light Green box)
- 0** Products in Stock (Light Orange box)

At the bottom of the dashboard is a blue banner labeled "System Status" with the text "All systems operational. Backend connected to <http://localhost:5000>".

## POS Selection

**Products**

Search by name, barcode, or category...

Laptop - Dell XPS 13 1234567890 Electronics <b>\$200</b> Stock: 20	Wireless Mouse 2345678901 Electronics <b>\$29.99</b> Stock: 99
USB-C Cable 2m 3456789012 Accessories <b>\$14.99</b> Stock: 200	Mechanical Keyboard 4567890123 Electronics <b>\$89.99</b> Stock: 50
Office Chair 5678901234 Furniture <b>\$249.99</b> Stock: 15	Monitor 24" 6789012345 Electronics <b>\$179.99</b> Stock: 30

**Cart**

Clear All

Wireless Mouse \$29.99 each	- 1 +	\$35.39
Mechanical Keyboard \$89.99 each	- 1 +	\$106.19
Subtotal:		\$141.58
Tax:		\$21.6
Total:		<b>\$163.18</b>

**Apply Discount**

**Checkout (\$163.18)**

## Payment mode

**POS Simulator** Point of Sale Products Transactions Reports cashier Logout

**Products**

Search by name, barcode, or category...

Laptop - Dell XPS 13 1234567890 Electronics <b>\$200</b> Stock: 20	Wireless Mouse 2345678901 Electronics <b>\$29.99</b> Stock: 99
USB-C Cable 2m 3456789012 Accessories <b>\$14.99</b> Stock: 200	Mechanical Keyboard 4567890123 Electronics <b>\$89.99</b> Stock: 50
Office Chair 5678901234 Furniture <b>\$249.99</b> Stock: 15	Monitor 24" 6789012345 Electronics <b>\$179.99</b> Stock: 30

**Cart**

Clear All

Wireless Mouse \$29.99 each	- 1 +	\$35.39
Mechanical Keyboard \$89.99 each	- 1 +	\$106.19
Subtotal:		\$141.58
Tax:		\$21.6
Total:		<b>\$163.18</b>

**Process Payment**

Payment Method

Cash Card UPI

Amount Paid

Enter amount

Total Amount: **\$163.18**

**Confirm Payment**

Confirm Payment

## Transaction History

TRANSACTION #	DATE	TYPE	PAYMENT	ITEMS	TOTAL	STATUS	ACTIONS
TXN-20251121040141	21/11/2025 4:01:41 am	Sale	Cash	2	\$163.18	completed	<a href="#">View</a>
REF-TXN-20251119055758	19/11/2025 5:57:58 am	Refund	Cash	2	\$149.02	completed	<a href="#">View</a>
TXN-20251119055504	19/11/2025 5:55:04 am	Sale	Cash	2	\$149.02	completed	<a href="#">View</a>
TXN-20251014091120	14/10/2025 9:11:20 am	Sale	UPI	2	\$153.18	completed	<a href="#">View</a>
TXN-20251014085800	14/10/2025 8:58:00 am	Sale	Cash	1	\$244.78	completed	<a href="#">View</a>
TXN-20251014084002	14/10/2025 8:40:02 am	Sale	Card	1	\$2714.97	completed	<a href="#">View</a>

## Report generation page

**POS Simulator** Point of Sale Products Transactions Reports cashier Logout

### Generate Report

Report Type: Sales Report Start Date: 21-11-2025 End Date: dd-mm-yyyy Generate Report

### Sales Report

Net Sales <b>\$163.18</b>	Total Transactions <b>1</b>	Average Transaction <b>\$163.18</b>	Total Refunds <b>\$0.00</b>
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#### Payment Methods

Cash <b>\$163.18</b> 1 transactions
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#### Top Products

Product	Quantity Sold	Revenue
Mechanical Keyboard	1	\$106.19
Wireless Mouse	1	\$35.39

## Manager Dashboard

**POS Simulator** Point of Sale Products Transactions Refunds Reports manager Manager Logout

### Welcome back, manager! 🙌

Role: Manager

#### Point of Sale

Process sales and manage transactions

#### Products

Manage inventory and product catalog

#### Transactions

View transaction history and details

#### Reports

Sales and inventory analytics

### Quick Stats

<b>\$0.00</b> Today's Sales	<b>0</b> Transactions	<b>0</b> Products in Stock
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⌚ System Status

All systems operational. Backend connected to <http://localhost:5000>

Products Managing page Add,Delete,Update

**Product Management**

Barcode	Name	Description	Category	Price *	Cost	Stock Quantity	Reorder Level	Tax Rate (%)	Action
1234567890	Laptop - Dell XPS 13	13-inch laptop with Intel i7 processor	Electronics	200	750	20	5	0.18	Active
2345678901	Wireless Mouse								Active
3456789012	USB-C Cable 2m								Active
4567890123	Mechanical Keyboard								Active
5678901234	Office Chair								Active
6789012345	Monitor 24"								Active
7890123456	Desk Lamp LED								Active
8901234567	Notebook A4								Active
9012345678	Pen Set (10 pack)								Active
0123456789	Water Bottle 1L								Active
TEST123456789	Test Product								Active

Refund Page(only for Manager)

**localhost:5173 says**

Refund Processed Successfully!

Transaction: REF-TXN-20251121040328  
Amount: \$163.18  
Inventory has been restocked.

**OK**

**Manager Authorization Required**

Action: Refund transaction TXN-20251121040141  
Please enter manager or administrator PIN to authorize this action.

**Manager PIN**

\*\*\*\*\*

**Cancel** **Verifying...**

This action is logged for audit purposes

**Processing Refund...**

## Admin Dashboard

Welcome back, admin! 🙌

Role: Administrator

**Point of Sale**  
Process sales and manage transactions

**Products**  
Manage inventory and product catalog

**Transactions**  
View transaction history and details

**Reports**  
Sales and inventory analytics

**Quick Stats**

\$0.00 Today's Sales	0 Transactions	0 Products in Stock
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**System Status**  
All systems operational. Backend connected to <http://localhost:5000>

## POS Page

**Products**

Search by name, barcode, or category...			
Laptop - Dell XPS 13 1234567890 Electronics \$200 Stock: 20	Wireless Mouse 2345678901 Electronics \$29.99 Stock: 99	USB-C Cable 2m 3456789012 Accessories \$14.99 Stock: 200	Mechanical Keyboard 4567890123 Electronics \$89.99 Stock: 50
Office Chair 5678901234 Furniture \$249.99 Stock: 15	Monitor 24" 6789012345 Electronics \$179.99 Stock: 30	Desk Lamp LED 7890123456 Accessories \$39.99 Stock: 75	Notebook A4 8901234567 Stationery \$4.99 Stock: 500

**Cart**

Clear All
USB-C Cable 2m \$14.99 each 1 × \$17.69
Mechanical Keyboard \$89.99 each 1 × \$106.19
Subtotal: \$123.88
Tax: \$18.9
<b>Total:</b> \$142.78
<b>Apply Discount</b>
<b>Checkout (\$142.78)</b>

## Products Managing page Add,Delete,Update

BARCODE	NAME	CATEGORY	PRICE	STOCK	STATUS	ACTIONS
1234567890	Laptop - Dell XPS 13	Electronics	\$200	20	Active	<a href="#">Edit</a> <a href="#">Delete</a>
2345678901	Wireless Mouse	Electronics	\$29.99	99	Active	<a href="#">Edit</a> <a href="#">Delete</a>
3456789012	USB-C Cable 2m	Accessories	\$14.99	200	Active	<a href="#">Edit</a> <a href="#">Delete</a>
4567890123	Mechanical Keyboard	Electronics	\$89.99	50	Active	<a href="#">Edit</a> <a href="#">Delete</a>
5678901234	Office Chair	Furniture	\$249.99	15	Active	<a href="#">Edit</a> <a href="#">Delete</a>
6789012345	Monitor 24"	Electronics	\$179.99	30	Active	<a href="#">Edit</a> <a href="#">Delete</a>
7890123456	Desk Lamp LED	Accessories	\$39.99	75	Active	<a href="#">Edit</a> <a href="#">Delete</a>
8901234567	Notebook A4	Stationery	\$4.99	500	Active	<a href="#">Edit</a> <a href="#">Delete</a>
9012345678	Pen Set (10 pack)	Stationery	\$7.99	300	Active	<a href="#">Edit</a> <a href="#">Delete</a>
0123456789	Water Bottle 1L	Accessories	\$24.99	80	Active	<a href="#">Edit</a> <a href="#">Delete</a>
TEST123456789	Test Product	Test Category	\$99.99	0	Active	<a href="#">Edit</a> <a href="#">Delete</a>

## Transaction Page

TRANSACTION #	DATE	TYPE	PAYMENT	ITEMS	TOTAL	STATUS	ACTIONS
REF-TXN-20251121040328	21/11 4:03				\$35.39	completed	<a href="#">View</a>
TXN-20251121040141	21/11 4:01				\$106.19	completed	<a href="#">View</a>
REF-TXN-20251119055758	19/11 5:57				\$163.18	completed	<a href="#">View</a>
TXN-20251119055504	19/11 5:55					completed	<a href="#">View</a>
TXN-20251014091120	14/11 9:11					completed	<a href="#">View</a>
TXN-20251014085800	14/11 8:58					completed	<a href="#">View</a>
TXN-20251014084002	14/11 8:40					completed	<a href="#">View</a>

**Transaction Details**

Transaction Number: REF-TXN-20251121040328

Date & Time: 21/11/2025, 4:03:28 am

Payment Method: Cash

Status: completed

**Items**

Wireless Mouse	\$35.39
Mechanical Keyboard	\$106.19

Subtotal: \$163.18

Tax: \$-141.58

Total: \$-21.6

## Report Viewing Page

**POS Simulator** Point of Sale Products Transactions Reports

admin  
Administrator Logout

### REPORTS & ANALYTICS

#### Generate Report

Report Type: Inventory Report Generate Report

#### Inventory Report

Total Products	Total Inventory Value	Low Stock Items	Out of Stock			
11	\$29345.00	1	1			
Product	Barcode	Category	Stock	Reorder Level	Price	Status
Laptop - Dell XPS 13	1234567890	Electronics	20	5	\$200.00	In Stock
Wireless Mouse	2345678901	Electronics	99	20	\$29.99	In Stock
USB-C Cable 2m	3456789012	Accessories	200	50	\$14.99	In Stock
Mechanical Keyboard	4567890123	Electronics	50	10	\$89.99	In Stock
Office Chair	5678901234	Furniture	15	5	\$249.99	In Stock
Monitor 24"	6789012345	Electronics	30	8	\$179.99	In Stock
Desk Lamp LED	7890123456	Accessories	75	15	\$39.99	In Stock
Notebook A4	8901234567	Stationery	500	100	\$4.99	In Stock
Pen Set (10 pack)	9012345678	Stationery	300	50	\$7.99	In Stock
Water Bottle 1L	0123456789	Accessories	80	20	\$24.99	In Stock
Test Product	TEST123456789	Test Category	0	10	\$99.99	Out of Stock