

# Inventory Management System (IMS)

Efficient Inventory Tracking & Management for Business

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Date of Presentation: 01.12.2024

# Introduction

- ▶ **Problem Statement:** Inventory challenges like overstocking, understocking, and lack of real-time tracking.
- ▶ **Solution:** IMS addresses these issues with real-time tracking and streamlined processes.

# Objectives

- ▶ Streamline inventory processes
- ▶ Enhance accuracy and minimize errors
- ▶ Provide real-time updates on stock levels
- ▶ Support data-driven decision-making

# Key Features & Sub-Features

## ▶ User Roles & Access

- ▶ Admin Role: Full control over inventory and system settings.
- ▶ Clerk Role: Limited access to sales and purchase transactions.

## ▶ Real-Time Inventory Tracking

- ▶ Live Stock Updates: Instant updates after purchases, sales, or returns.
- ▶ Low Stock Alerts: Automatic update status when stock is low.

## ▶ Stock Management

- ▶ Stock Auditing: Manual or automated stock audits.

# Key Features & Sub-Features

## ▶ Purchase & Sales Records

- ▶ Purchase Orders: Generate and track purchase orders.
- ▶ Sales Orders: Manage sales, deliveries.
- ▶ Supplier : Maintain detailed records.

## ▶ Reports & Analytics

- ▶ Inventory Reports: Track stock levels and movements.
- ▶ Sales & Purchase Reports: Analyze trends and performance.
- ▶ Customizable Dashboards: Display key metrics and insights.

# Key Features & Sub-Features

## ▶ **Product Categorization**

- ▶ Custom Categories: Create and manage product categories.
- ▶ Advanced Search & Filters: Find products easily.

## ▶ **User-Friendly Interface**

- ▶ Dashboard Customization: Personalize the dashboard layout.
- ▶ Search & Navigation: Fast and intuitive search options.
- ▶ Mobile-Friendly: Responsive design for mobile devices.

# Benefits

- ▶ **For Businesses:** Save time, reduce manual effort, and prevent losses.
- ▶ **For Users:** Simplified workflows and better decision-making tools.

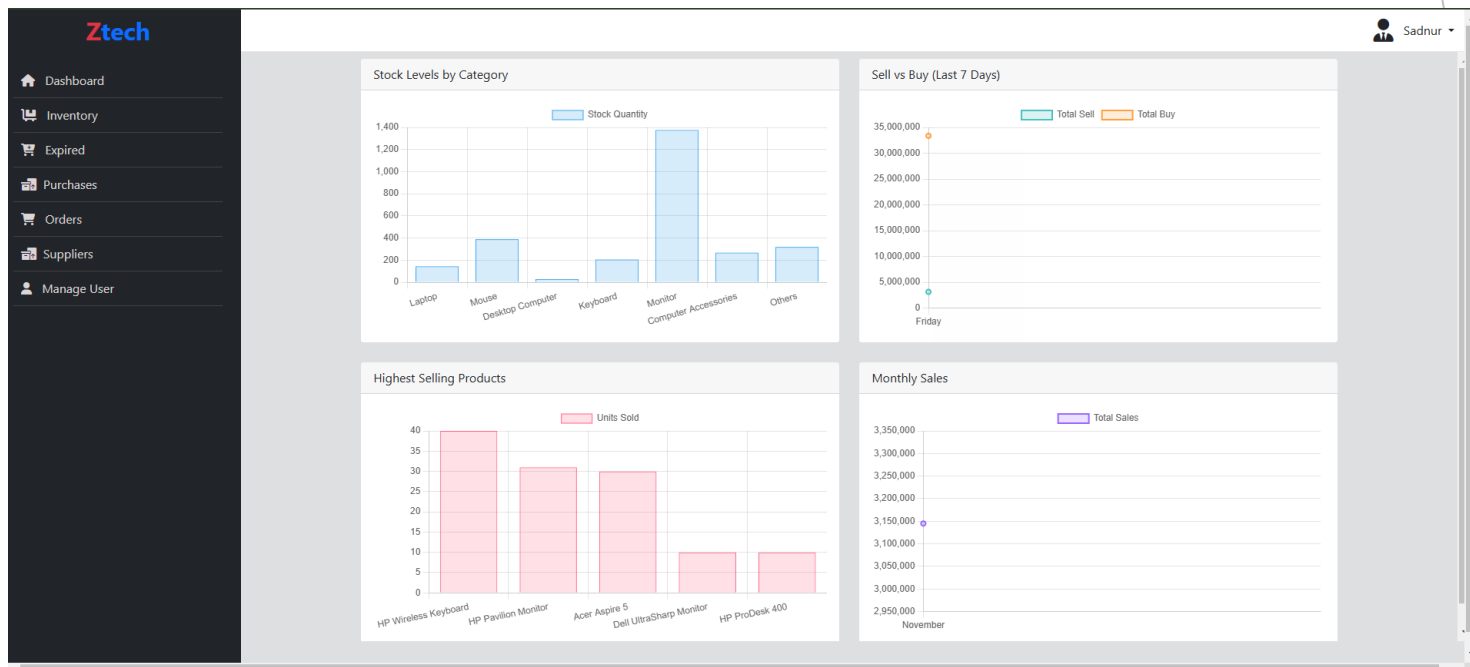
# Technology Stack

- ▶ **Frontend:** Html, CSS, Bootstrap, JS
- ▶ **Backend:** Laravel PHP
- ▶ **Database:** MySQL
- ▶ **Security Features:** Role-based access



# Screenshots/Demo

## ► Dashboard



# Screenshots/Demo

## ► Inventory

The screenshot displays the Ztech Inventory Management System interface. On the left is a dark sidebar with the Ztech logo and navigation links: Dashboard, Inventory, Expired, Purchases, Orders, Suppliers, and Manage User. The main content area is titled 'Inventory' and includes a search bar with the placeholder text 'Search product/category/expired..', a 'New Product' button, and a user profile dropdown for 'Sadnur'. Below this is a table listing inventory items with columns for ID, Product Name, Category, Buy Price, Quantity, Warranty, Availability, and Actions. The table contains 10 rows of data. At the bottom left of the table area, it says 'Showing 1 to 10 of 30 results'. At the bottom right, there is a pagination control showing page 1 of 3.

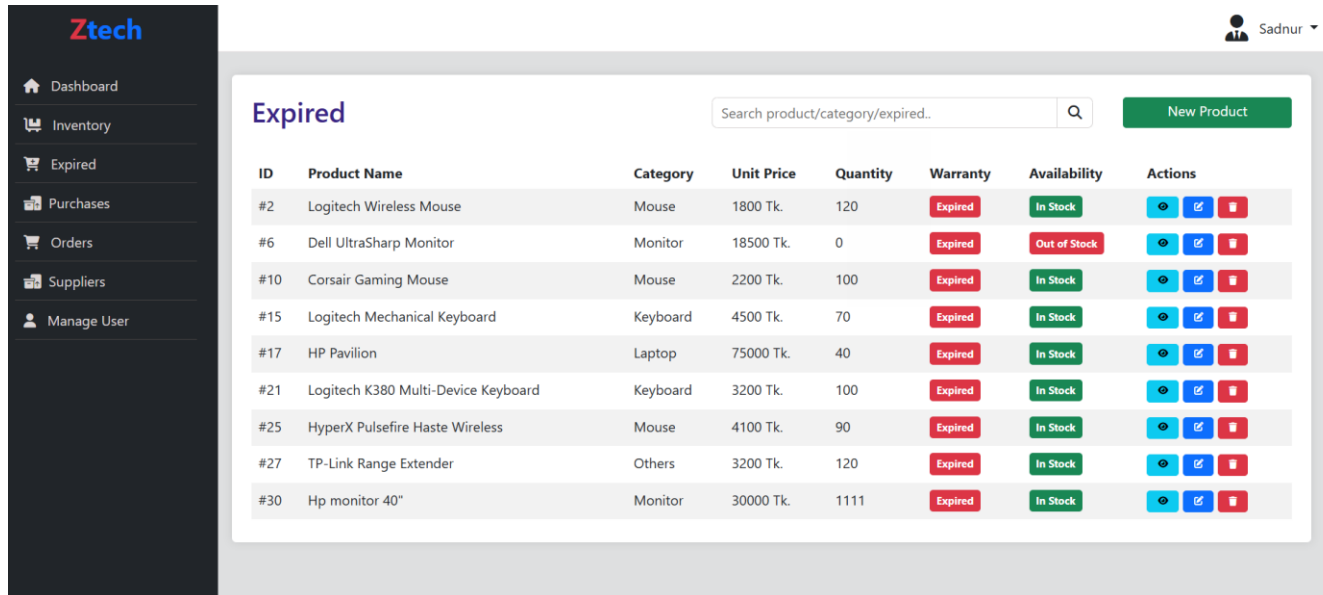
ID	Product Name	Category	Buy Price	Quantity	Warranty	Availability	Actions
#33	Logitech A90	Monitor	400 Tk.	101	2025-01-03	In Stock	
#1	Dell Inspiron 16	Laptop	67000 Tk.	50	2026-03-15	In Stock	
#2	Logitech Wireless Mouse	Mouse	1800 Tk.	120	Expired	In Stock	
#3	HP ProDesk 400	Desktop Computer	58000 Tk.	4	2027-06-22	Low Stock	
#4	Razer BlackWidow Keyboard	Keyboard	8500 Tk.	27	2025-12-05	In Stock	
#5	Acer Aspire 5	Laptop	55000 Tk.	10	2028-09-18	Low Stock	
#6	Dell UltraSharp Monitor	Monitor	18500 Tk.	0	Expired	Out of Stock	
#8	HP Wireless Keyboard	Keyboard	3500 Tk.	10	2025-02-19	Low Stock	
#9	Apple iMac 24"	Desktop Computer	140000 Tk.	10	2027-11-02	Low Stock	
#10	Corsair Gaming Mouse	Mouse	2200 Tk.	100	Expired	In Stock	

Showing 1 to 10 of 30 results




























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# Screenshots/Demo

## ► Expired Products

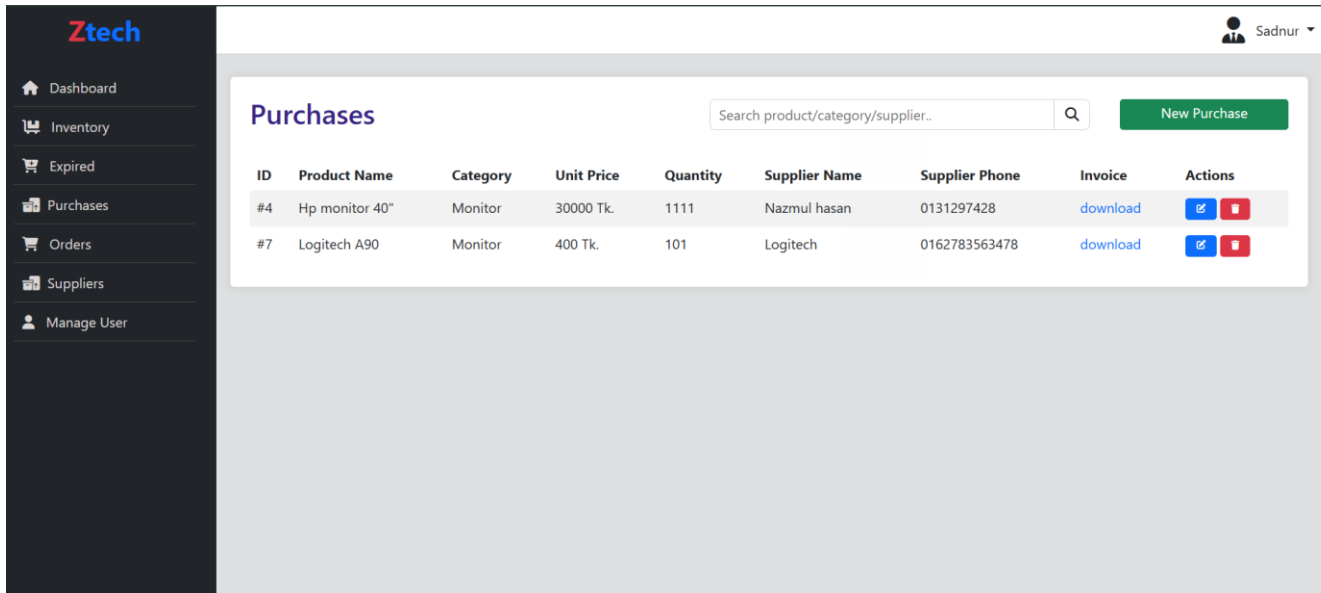


The screenshot displays the Ztech dashboard interface. On the left is a dark sidebar with the Ztech logo and navigation links: Dashboard, Inventory, Expired, Purchases, Orders, Suppliers, and Manage User. The main content area is titled 'Expired' and features a search bar with the placeholder text 'Search product/category/expired..', a 'New Product' button, and a table of expired products.

ID	Product Name	Category	Unit Price	Quantity	Warranty	Availability	Actions
#2	Logitech Wireless Mouse	Mouse	1800 Tk.	120	Expired	In Stock	  
#6	Dell UltraSharp Monitor	Monitor	18500 Tk.	0	Expired	Out of Stock	  
#10	Corsair Gaming Mouse	Mouse	2200 Tk.	100	Expired	In Stock	  
#15	Logitech Mechanical Keyboard	Keyboard	4500 Tk.	70	Expired	In Stock	  
#17	HP Pavilion	Laptop	75000 Tk.	40	Expired	In Stock	  
#21	Logitech K380 Multi-Device Keyboard	Keyboard	3200 Tk.	100	Expired	In Stock	  
#25	HyperX Pulsefire Haste Wireless	Mouse	4100 Tk.	90	Expired	In Stock	  
#27	TP-Link Range Extender	Others	3200 Tk.	120	Expired	In Stock	  
#30	Hp monitor 40"	Monitor	30000 Tk.	1111	Expired	In Stock	  

# Screenshots/Demo

## ► Purchases



The screenshot displays the Ztech web application interface. On the left is a dark sidebar with the Ztech logo and navigation links: Dashboard, Inventory, Expired, Purchases, Orders, Suppliers, and Manage User. The main content area is titled 'Purchases' and includes a search bar with the placeholder text 'Search product/category/supplier..', a 'New Purchase' button, and a table of purchase records. The table has columns for ID, Product Name, Category, Unit Price, Quantity, Supplier Name, Supplier Phone, Invoice, and Actions. Two records are visible: ID #4 for an 'Hp monitor 40"' and ID #7 for a 'Logitech A90'. Each record has a 'download' link and two action icons (a blue checkmark and a red square).

ID	Product Name	Category	Unit Price	Quantity	Supplier Name	Supplier Phone	Invoice	Actions
#4	Hp monitor 40"	Monitor	30000 Tk.	1111	Nazmul hasan	0131297428	<a href="#">download</a>	<a href="#">✓</a> <a href="#">✗</a>
#7	Logitech A90	Monitor	400 Tk.	101	Logitech	0162783563478	<a href="#">download</a>	<a href="#">✓</a> <a href="#">✗</a>

# Screenshots/Demo

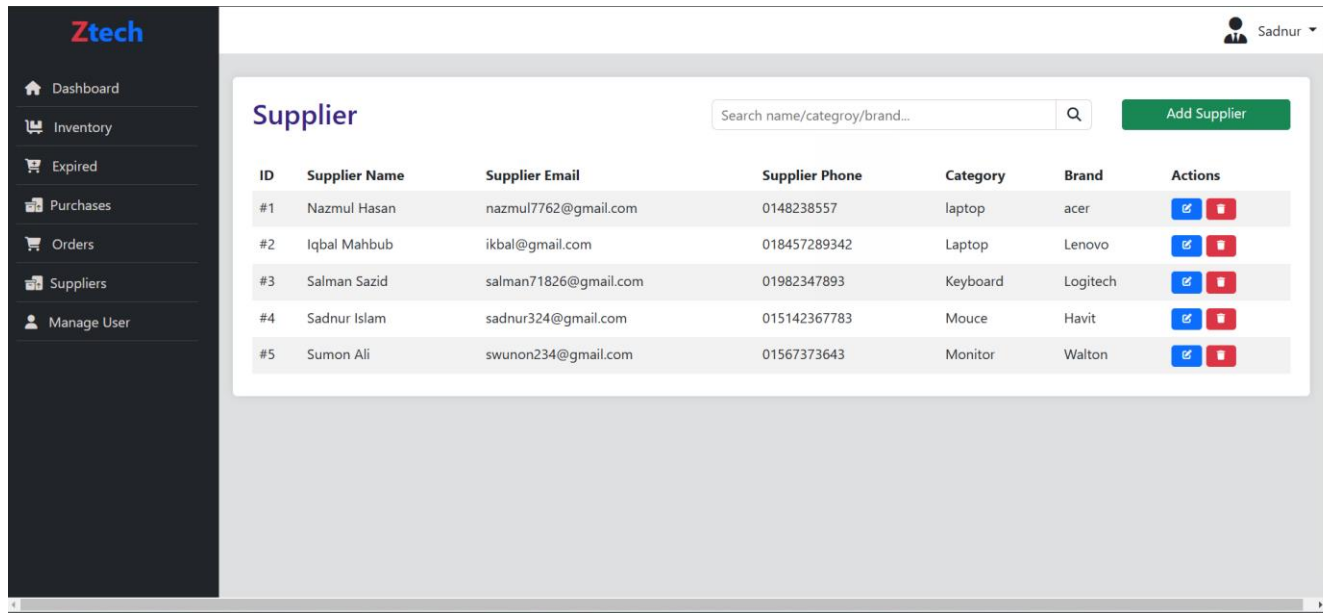
## ► Orders

The screenshot displays the 'Orders' section of the Ztech application. On the left is a dark sidebar with navigation links: Dashboard, Inventory, Expired, Purchases, Orders, Suppliers, and Manage User. The main content area has a header with the 'Ztech' logo, a search bar, and a 'New Order' button. Below this is a table titled 'Order' listing five orders. Each row includes an ID, product name, category, unit price, quantity, customer name, contact number, status (all 'Delivered'), an invoice download link, and action buttons for email and delete.

ID	Product Name	Category	Unit Price	Quantity	Customer Name	Contact No.	Status	Invoice	Actions
#10	HP Pavilion Monitor	Monitor	15000 Tk.	31	Nayeem	01580302857	Delivered	<a href="#">download</a>	<a href="#">✉</a> <a href="#">🗑</a>
#9	HP ProDesk 400	Desktop Computer	60000 Tk.	10	Iqbal	0182387238974	Delivered	<a href="#">download</a>	<a href="#">✉</a> <a href="#">🗑</a>
#8	HP Wireless Keyboard	Keyboard	5000 Tk.	40	jaohn	01723745782365	Delivered	<a href="#">download</a>	<a href="#">✉</a> <a href="#">🗑</a>
#7	Acer Aspire 5	Laptop	56000 Tk.	30	hasan	017347857855	Delivered	<a href="#">download</a>	<a href="#">✉</a> <a href="#">🗑</a>
#6	Dell UltraSharp Monitor	Monitor	20000 Tk.	10	Shawon	0177863478	Delivered	<a href="#">download</a>	<a href="#">✉</a> <a href="#">🗑</a>

# Screenshots/Demo

## ► Supplier



**Ztech**

Dashboard  
Inventory  
Expired  
Purchases  
Orders  
Suppliers  
Manage User

Sadnur

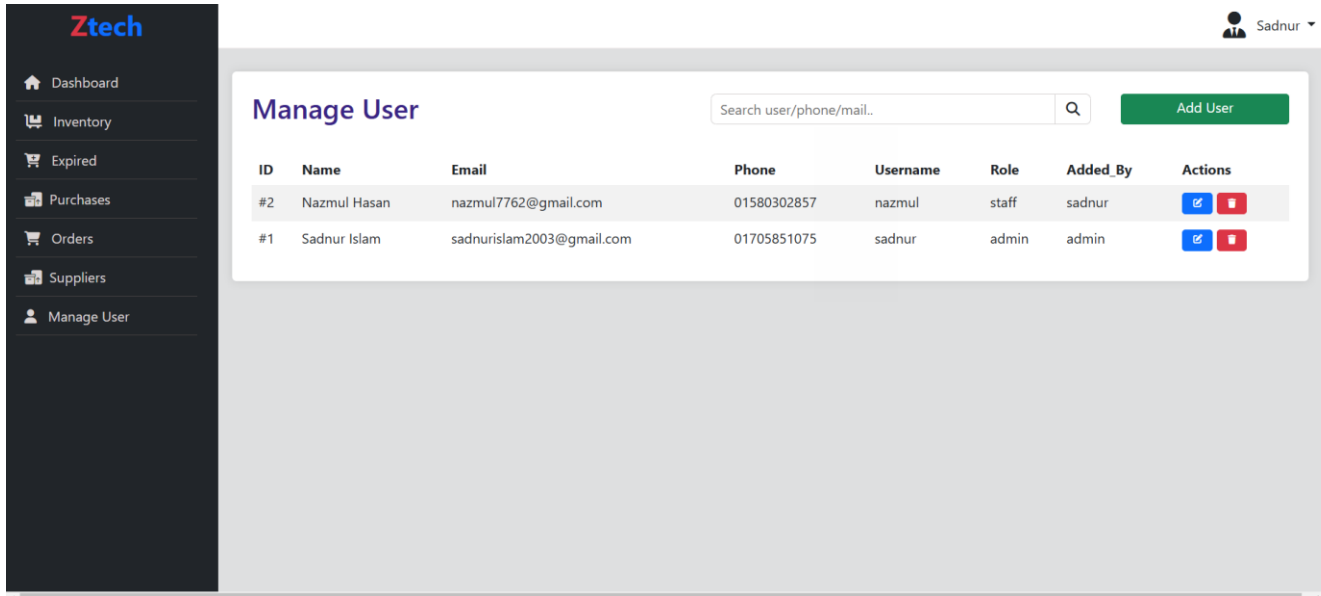
### Supplier

Search name/category/brand...

ID	Supplier Name	Supplier Email	Supplier Phone	Category	Brand	Actions
#1	Nazmul Hasan	nazmul7762@gmail.com	0148238557	laptop	acer	<input checked="" type="checkbox"/> <input type="checkbox"/>
#2	Iqbal Mahbub	ikbal@gmail.com	018457289342	Laptop	Lenovo	<input checked="" type="checkbox"/> <input type="checkbox"/>
#3	Salman Sazid	salman71826@gmail.com	01982347893	Keyboard	Logitech	<input checked="" type="checkbox"/> <input type="checkbox"/>
#4	Sadnur Islam	sadnur324@gmail.com	015142367783	Mouce	Havit	<input checked="" type="checkbox"/> <input type="checkbox"/>
#5	Sumon Ali	swunon234@gmail.com	01567373643	Monitor	Walton	<input checked="" type="checkbox"/> <input type="checkbox"/>

# Screenshots/Demo

## ► Manage User



The screenshot displays the 'Manage User' interface of the Ztech system. On the left is a dark sidebar with the Ztech logo and a menu containing: Dashboard, Inventory, Expired, Purchases, Orders, Suppliers, and Manage User. The main content area has a title 'Manage User' and a search bar labeled 'Search user/phone/mail..'. To the right of the search bar is a green 'Add User' button. Below these is a table with two columns: 'ID' and 'Name'. The table contains two rows of user data. The first row shows a user with ID #2, Name Nazmul Hasan, Email nazmul7762@gmail.com, Phone 01580302857, Username nazmul, Role staff, Added\_By sadnur, and Actions (edit and delete icons). The second row shows a user with ID #1, Name Sadnur Islam, Email sadnurislam2003@gmail.com, Phone 01705851075, Username sadnur, Role admin, Added\_By admin, and Actions (edit and delete icons). In the top right corner of the interface, there is a user profile icon and the name 'Sadnur'.

ID	Name	Email	Phone	Username	Role	Added_By	Actions
#2	Nazmul Hasan	nazmul7762@gmail.com	01580302857	nazmul	staff	sadnur	<a href="#">Edit</a> <a href="#">Delete</a>
#1	Sadnur Islam	sadnurislam2003@gmail.com	01705851075	sadnur	admin	admin	<a href="#">Edit</a> <a href="#">Delete</a>

# Conclusion

- ▶ IMS solves critical inventory challenges.
- ▶ Designed for scalability and adaptability.
- ▶ Empowers businesses with actionable insights.



# Questions & Feedback

We'd love to hear your  
thoughts!