



**DESIGN THINKING OUTPUT**

**INVENTORY AND SALES MONITORING SYSTEM**

**SUBMITTED BY:**

**ESLIT, ANGELINE B.**

**DIGABE, KASSANDRA KATE E.**

**VILLASTIQUE, MARY ROSE U.**

**IGNACIO, HEART**

**FUENTES, JASON**

**SUBMITTED TO:**

**FAITH EVANGELINE M. DOLLERA**

# EMPATHY

## 1. Project Overview

- Project Name: Inventory and Sales Monitoring System
  - Objective: To help businesses track product stocks and sales automatically in one system.
  - Target Users: Store owners, staff, and managers who need to monitor daily sales and stock levels
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## 2. Industry Comparisons

Industry / Website	Key Features	Relevance
E-commerce platforms (e.g., Shopee, Lazada)	Product listing, filtering, stock updates	Helps structure inventory organization
POS systems (e.g., Square POS)	Real-time transaction tracking, sales records	Guides system's reporting and real-time updates
Inventory software (e.g., Zoho Inventory)	Stock alerts, analytics, reports	Ensures accurate monitoring and reporting

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## 3. UI/UX Inspirations

- Color Scheme & Typography: Blue and white theme; clear sans-serif fonts for readability.

- Navigation & User Flow: Sidebar menu with dashboard shortcuts for Products, Sales, and Reports.
  - Interactive Elements: Buttons with hover effects, auto-refreshing tables, notification pop-ups.
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#### 4. Functional Features to Adopt

- Real-time inventory and sales tracking
  - Auto-refresh product list after transactions
  - Report generation (daily, weekly, monthly)
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#### 5. Key Takeaways

- Best Practices: Keep interface simple and responsive.
- Unique Features: Live stock updates and quick sales summaries.
- Next Steps: Refine UI layout and perform usability testing.

## DEFINE

### Point-of-View (POV) Statements

1. Users need an easier way to view updated stock and sales because manual checking wastes time.
  2. Users want quick access to reports so they can make decisions faster.
  3. Users need a clear dashboard layout to easily track all transactions and products.
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## **How-Might-We (HMW) Questions**

1. How might we make real-time updates visible without refreshing the page?
2. How might we design a dashboard that summarizes all important data in one view?
3. How might we simplify product searching and filtering for users?

## **IDEATE**

### **I. Content Organization**

- Dashboard summary of total sales and stock
- Category-based product lists
- Simple table views with sorting and filtering

### **II. User Engagement**

- Notifications for low stock or new sales
- Daily and weekly performance summary
- Reward badges for staff who meet sales goals

### **III. Navigation & Accessibility**

- Sidebar menu with icons
- Search bar with auto-suggestions
- Responsive design for desktop and mobile

### **IV. Personalization & User Experience**

- Greeting message for each user
- Option for dark/light mode
- Save user's preferred view layout

## V. Visual & Interactive Design

- Clean interface with clear buttons
  - Hover animations for interactivity
  - Consistent icons and typography across pages
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## PROTOTYPE

### Mock-up

Page / Navigation

Figma Link

QR Code

Login Page

[Figma Login](#)



**Main Dashboard**

[Figma Main](#)



**User Page**

[Figma User](#)



**Product Page**

[Figma Product](#)



**Sales Page**

[Figma Sales](#)



Inventory Page

[Figma Inventory](#)



Report Page

[Figma Report](#)



**GitHub Repository:** *(Add your GitHub repo link here)*

**QR Code:**  *(Insert QR linking to GitHub repository)*

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## TEST

### User Testing Observations Template

#### 1. Test Session Details

- **Date:** October 19, 2025
- **Tester Name / Role:**
- **Tested Features:** Add Product, Sales Recording, Report Generation
- **Device & Browser:** Laptop / Google Chrome

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## 2. Observations

Task	Expected Result	Actual Result	Pass/Fail
Add Product	Product appears instantly	Appears after refresh	Failed
Record Sale	Updates inventory count	Works correctly	Passed
Generate Report	Shows total sales	Works correctly	Passed

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## 3. User Feedback

- Easy to use and clean layout.
  - Refreshing the table is a bit tiring.
  - Suggest adding auto-refresh after saving data.
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## 4. Tester Notes

- Add loading animations for clarity.
- Ensure real-time updates after sales.
- **Overall Rating:** 4/5



