

Inventory and Asset Management System Prototype Description

This document describes the design prototype for an internal office inventory and asset management system, combining real-time stock tracking with detailed responsibility assignment using a clean, modern visual style.

I. Core Functionality

The application is built around two critical, integrated functions:

1. **Inventory Tracking (Stock Management):** Monitoring the quantity of generic, non-unique items (e.g., office supplies, paper) as they move **in and out of stock**.
2. **Asset Tracking (Responsibility Management):** Tracking unique, serialized assets (e.g., Laptop 1, Monitor 5) and logging the **responsible user** (the person currently holding the asset) and the complete history of **transfers** between users.

II. Visual Style and Layout

The prototype uses a **clean, professional dashboard style** with a high-contrast white background for the main content area and a dark or distinct sidebar for navigation.

- **Color Palette:** The design relies heavily on white space and uses a distinctive **Blue/Teal** color (visible in the logo and the main action button) for primary actions and highlights, suggesting trust and clarity.
- **Typography:** The font is clean and sans-serif, ensuring high legibility for data-heavy views.
- **Layout:** A standard **Sidebar Navigation** is used on the left, providing persistent access to core modules.

III. Primary Screen: Kanban Asset View

The main screen visible in the prototype image is a **Kanban-style asset management dashboard**, designed for quick visual status checks and easy asset reassignment.

A. Navigation Sidebar (Inferred)

The persistent navigation panel on the left provides access to the application's main modules:

- **Dashboard (Home):** Overview statistics and alerts.
- **Inventory:** For bulk items and stock tracking.
- **Assets (Current View):** For unique, trackable items like laptops.
- **Reports:** Data exports and analytics.
- **Users:** User and staff management.
- **Settings:** System configuration.

B. Kanban Board Structure

The main content area is titled "KANBAN," indicating that unique assets are organized into columns representing their current status or location.

Inferred Kanban Columns (Examples):

1. **In Stock/Available:** Items ready for assignment.
2. **Assigned/In Use:** Items currently checked out to a user.
3. **Maintenance/Repair:** Items temporarily out of service.

C. Asset Cards

Each card in the Kanban view represents a single, unique asset (e.g., "Laptop - Serial 1A3B").

- **Card Content:** Each card prominently displays the **Item Title** (e.g., "MacBook Pro 2023") and key summary information (likely the current responsible person, or status/location).
- **Interaction:** The Kanban format suggests that users can **drag and drop** these cards between columns to quickly update an asset's status (e.g., dragging a "Maintenance" item to "Available").

IV. Inferred User Flow: Tracking Responsibility

To fulfill the requirement of tracking who is responsible for a good and tracking transfers, the system would require a dedicated **Asset Detail View** accessed by clicking an item card.

- **Asset Detail View:** This screen would display all unique information:
 - Serial Number, Purchase Date, Model.
 - **Current Holder:** The name of the user currently responsible.
 - **Transfer Log:** A complete chronological history of every user who has held the asset, including the **Date/Time In** and **Date/Time Out** for each custodian.
- **Transfer Action:** A clear button (e.g., "Transfer Asset") would initiate a modal where the current holder is marked out, and a new user is selected as the recipient, logging the new assignment to the Transfer Log.