

## 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.