

# Asset Management System Dashboard – Ui & Feature Design

A modern, web-based dashboard design for managing company assets across multiple departments (Admin, Sales, IT, HR, Finance). This system focuses on clarity, speed, and daily usability for office operations.

## 1. Overall Layout Structure

### Header (Top Bar)

- Company logo + system name (Asset Management System)
- Global search bar (assets, employees, departments)
- Notification icon (maintenance alerts, overdue returns)
- User profile dropdown (Admin/User, Settings, Logout)

### Sidebar Navigation (Left)

- Dashboard
- Departments
- Employees
- Assets
- Asset Tracking
- Asset Category
- Reports
- Settings

Sidebar should be collapsible for tablet view.

## 2. Dashboard (Overview Page)

### KPI Cards (Top Section)

Displayed as clean cards with icons:

- Total Assets
- Assigned Assets
- Available Assets
- Assets Under Maintenance

### Charts Section

- Department-wise Asset Distribution (Bar / Donut Chart)
- Asset Status Overview (Pie Chart: Assigned, Available, Maintenance)

### Quick Insights Table

Asset Category	Total	Assigned	Available	Maintenance
Laptops	120	90	25	5
Desktops	80	65	10	5
Furniture	200	180	20	0

### 3. Department Management

#### Department List View

Department	Total Employees	Total Assets	Actions
IT	25	140	View
HR	10	40	View
Operation	12	55	View
Sales	13	4	View

#### Department Detail Page

- Department info
- Employee list under department
- Assets assigned to department
- Department-wise asset chart

### 4. Employee Management

#### Employee List

Emp ID	Name	Department	Designation	Assets Assigned
EMP101	John	IT	System Admin	3
EMP102	Jerry	Sales	Sales Coordinator	4
EMP103	Albin	Operation	Operation Manger	2

Employee Detail View

- Employee Profile Card
- Assigned Assets Table

Asset ID	Asset Name	Category	Status	Action
AST001	Dell Laptop	Laptop	Assigned	Return

5. Asset Management

Asset List View

Asset ID	Name	Category	Serial No	Condition	Status
123	Kein	IT	90T	XYZ	1

Asset Detail Page

- Asset information
- Current holder (Employee + Department)
- Assignment history timeline

Asset Actions

- Assign asset to employee
- Return asset
- Send asset to maintenance

6. Asset Tracking

Assignment History Table

Asset ID	Employee	Department	Assigned Date	Returned Date
A560	Alan	IT	12-11-2026	15-11-2026

Tracking Features

- Real-time asset location
- Historical usage records

## 7. Asset Category

Asset Category Summary Table

Asset Category	Total Assets	Assigned	Available	Maintenance
Laptops	120	90	25	5
Desktops	80	65	10	5
Keyboards	150	120	25	5
Telephones	60	45	10	5
Monitors	100	75	20	5
Printers	25	18	5	2
Network Devices	40	30	8	2
Furniture	200	180	20	0

## 8 .Search & Filters

Global Filters

- Asset Category
- Asset Status
- Department
- Condition

Smart Search

- Search by asset name or serial number
- Search by employee name or ID

## 9. Reports Module

Available Reports

- Department-wise Asset Report
- Employee-wise Asset Report
- Asset Maintenance Report

Report Features

- Date range filter

- Export to PDF / Excel
  - Printable format
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## 10. UI & Visual Design Guidelines

- Color Theme: Light background with corporate blue/gray accents
  - Typography: Clean sans-serif (Inter, Roboto)
  - Icons: Consistent outline icons
  - Tables: Sticky headers, pagination, column sorting
  - Charts: Interactive tooltips
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## 11. Database Overview

### Core Tables

- departments
  - employees
  - assets
  - asset\_categories
  - asset\_assignments
  - asset\_maintenance
  - users
- 

## 12. Technology Stack (Suggested)

### Frontend

- React
- CSS / Bootstrap

### Backend

- Node.js

### Database

- MySQL

### Charts

- Chart.js / Recharts

### **13. Security & Best Practices**

- Role-based access control
  - Password encryption
  - Input validation
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### **14. Future Enhancements**

- QR code based asset scanning
  - Email notifications
  - Mobile-friendly PWA
  - Asset depreciation tracking
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### **15. Conclusion**

The Asset Management System provides a scalable, secure, and user-friendly solution for managing company assets efficiently. It reduces asset loss, improves accountability, and supports informed decision-making.

# Asset Management System – Demonstration Design



The Asset List page displays a detailed view of the organization's assets. It includes a sidebar with navigation options: Dashboard, Assets, Departments, Employees, Reports, and Settings. The main content area is titled 'Asset List' and includes a search bar and a user profile for Alex Johnson.

**Asset List Filters:**

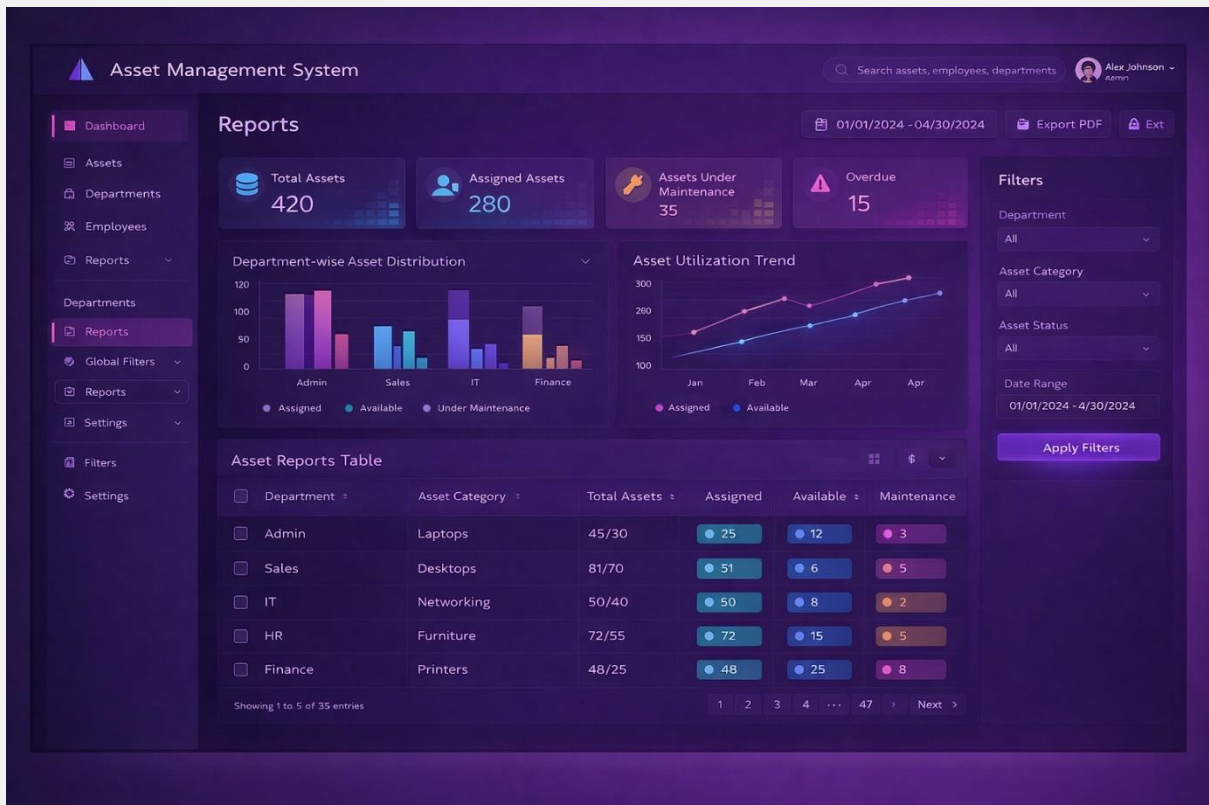
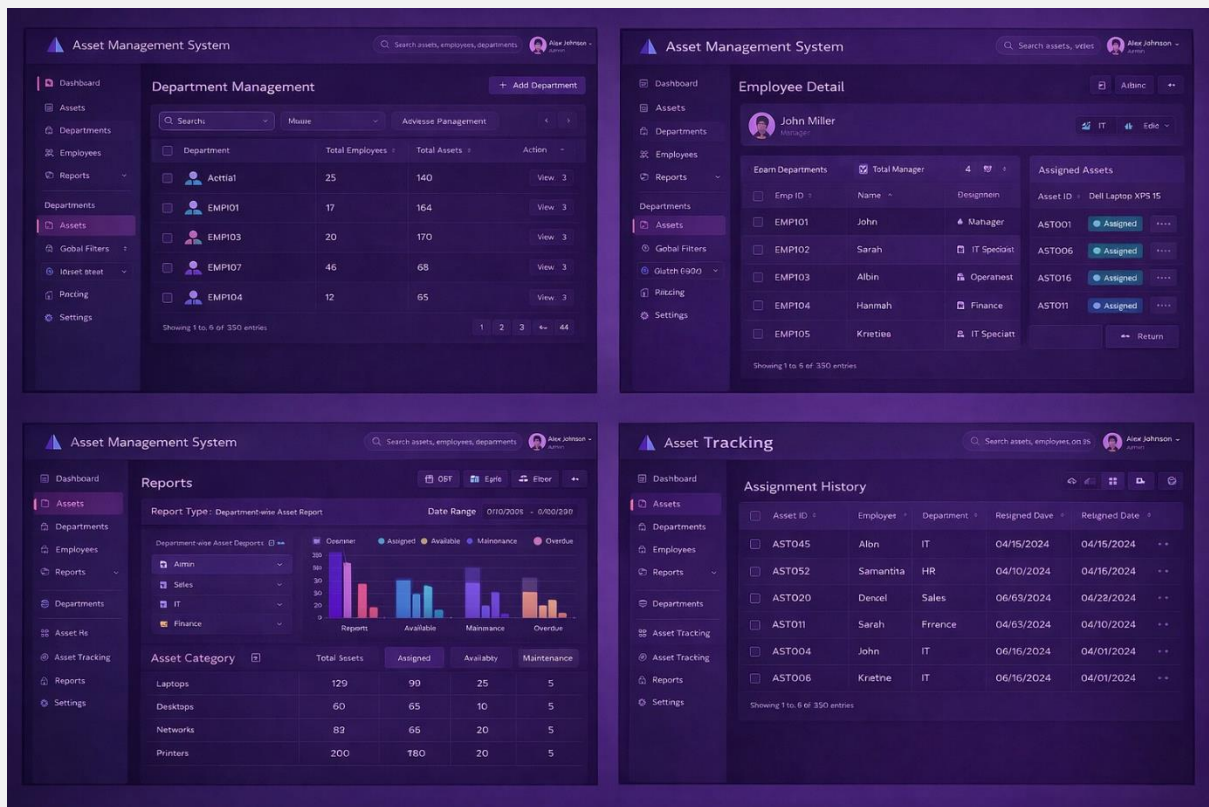
- Asset Category
- Status
- Department
- Condition

**Asset List Table:**

Asset ID	Name	Category	Serial No	Condition	Status	Action
AST001	Dell Laptop XPS 15	Laptop	ABC12345	Assigned	Assigned	...
AST002	iPhone 13 Pro	Mobile	XYZ567890	Assigned	Assigned	...
AST003	MacBook Pro 13"	Laptop	MJK987620	Good	Available	...
AST004	HP LaserJet Pro 400	Printer	PRN123987	Maintenance	Maintenance	...
AST005	Lenovo ThinkPad T490	Laptop	LV765432	Good	Assigned	...
AST006	Cisco Switch 2960	Network	CS567890	New	Assigned	...
AST007	Dell OptiPlex 7070	Desktop	DP987654	Good	Available	...
AST008	HP EliteBook 840-G5	Laptop	HP8234567	Good	Overdue	...

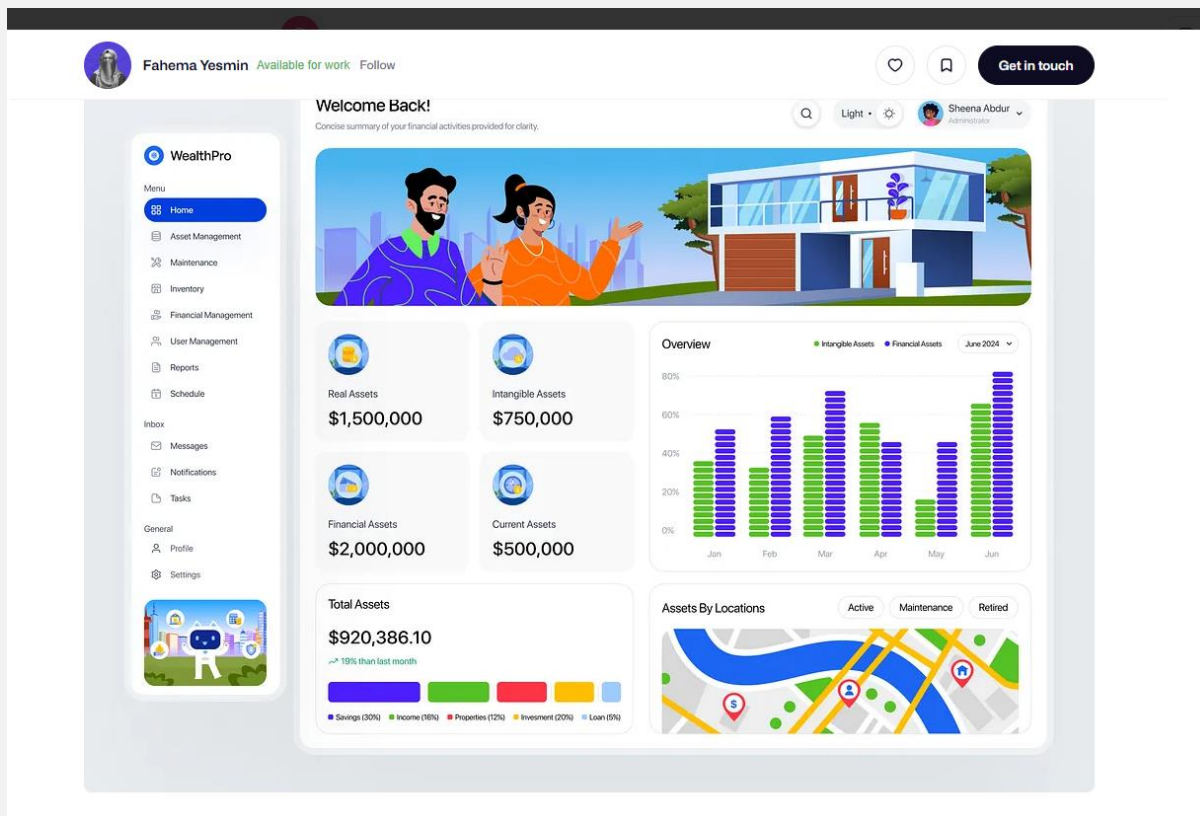
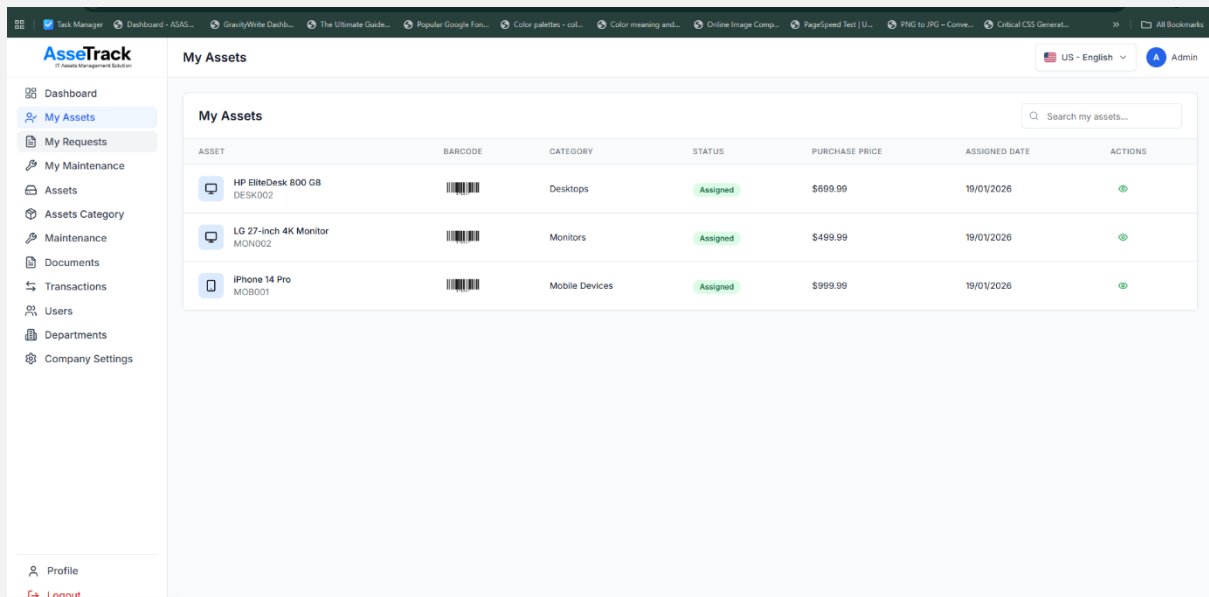
**Showing 1 to 9 of 350 entries**

**Page Navigation:** 1 2 3 4 ... 44 Next



## Asset Management System – Reference





<https://assetsmanager.sysnova.cloud/my-assets>

<https://hrmify.codeify.in/admin/self/dashboard>

<https://rise.thesketchcode.com/leads>

