

LAB 3

MEMBERS:

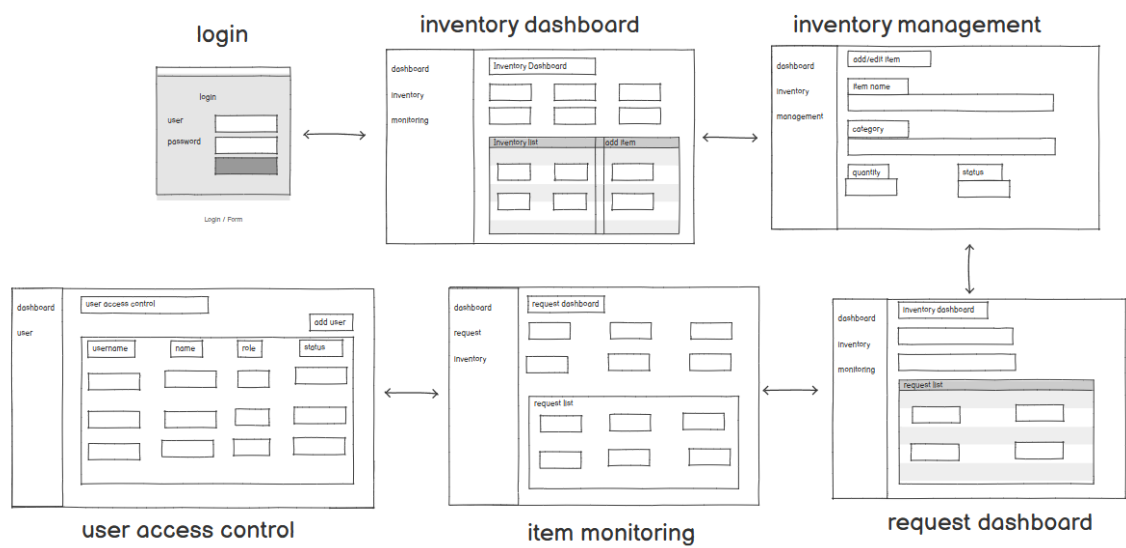
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PROTOTYPE:



System Documentation Report

Laboratory Activity: Property Custodian Inventory Management System

Tool Used: Balsamiq Wireframes

1. Review of Prototype and System Design

1.1 Prototype Overview

This prototype presents a simplified Inventory Management System that supports the following core modules:

- Login
- Inventory Dashboard
- Inventory Management
- User Access Control
- Request Dashboard
- Item Monitoring

Each module is interconnected to allow fluid user navigation and system functionality.

1.2 Login System Workflow

- User enters their username and password.
- System validates credentials against the database.

Based on the user’s role (admin or regular user), they are redirected to the appropriate dashboard.

1.3 Dashboard Structure

The dashboard acts as the main control center and includes navigation links to:

- Inventory list and add item functions

- Request tracking
- User access control (for admin)
- Real-time item monitoring

2. Prototyping Phase

2.1 Wireframe and UI Design

Tool Used: Balsamiq

Designs Created:

- Login Page
- Inventory Dashboard
- Inventory Management Page
- Request Dashboard
- User Access Control
- Item Monitoring

Low-Fidelity Wireframes were used to outline core layout and navigation logic. Refer to provided image for wireframe sketch.

2.2 User Flow and Navigation Between Components

Login → Inventory Dashboard

From Inventory Dashboard:

→ Inventory Management (Add/Edit Items)

→ Request Dashboard

→ Item Monitoring

→ User Access Control (Admin Only)

Request Dashboard ↔ Item Monitoring

Return options available for all components back to the dashboard.