# Inventory System

## TechStack :

- **Frontend:** HTML, CSS, JavaScript (No frameworks)
- **Backend:** Java Servlets + JDBC
- **Database:** MySQL
- **Server:** Apache Tomcat 11

## Features & Functionality

- **Role-based authentication**:
  - Admin: Add, update, delete products
  - User: View, filter, and export product data (CSV)
- **Low-stock alerts** for items below quantity 5 (both UI alert and desktop notification)
- **CSV export** and **filtering options** on the frontend
- **CORS support** using a custom servlet filter for frontend-backend integration

## Deployment Process

- Runs locally via Apache Tomcat
- Built with **cloud-ready DB config** so it can connect to remote MySQL databases
- Future plan to host on platforms like **Railway** or containerize using **Docker**

## Git Link:

https://github.com/prasanthkarthik25305/Frontend/Inventory

## DashBoard: