STOCK MANAGEMENT SYSTEM

ROURKELA INSTITUTE OF MANAGEMENT STUDIES

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INTRODUCTION

- Stock management is the practice of ordering, storing, tracking and controlling inventory.
- Stock management applies to every item a business to produce its product or services-from raw materials to finished goods.
- In other words, stock management covers every aspect of a business inventory.

The projects contain following modules:

1. PRODUCT MANAGEMENT: This module is used to add, update, and delete the products.

2. PURCHASE MANAGEMENT: This module is used to manage the purchase system.

3. SALES MANAGEMENT: This module is used to manage the sale od the product.

4. USER MANAGEMENT: This module is used to add/delete the user/staff.

5. DATABASE SETUP: This module is used to setup the database in the system for the first time.

OBJECTIVE

1. To develop an application that deals with the day to day requirement of any production organization.

2. To develop the easy management of the inventory.

3. To handle the inventory details like sale detail, purchase detail and balance details.

4. To provide competitive advantages to the organization.

SCOPE & FEASIBILTY

stock management system is targeted to the small or medium organization which does not have many warehouse only to those organization that has single power of authority. Some of the scope are:

1. Only one person is responsible in assigning the details or search.
2. It is security driven.
3. Store house can be added as per requirement.

NEED OF STOCK MANAGEMENT SYSTEM

- Keeps track of your inventory and offers a centralized view of stock.
- Controls your costs by making stock report for analysis of your inventory.
- Improves your delivery by managing stock-outs and meeting customer expectations.
- Manages planning and forecasting by analysing data trends.

SYSTEM REQUIREMENTS

- **Hardware Requirements**

- **Display**: 1920x1080 resolution Monitor.
- **Processor**: Intel Core i5 or higher.
- **Network**: Internet connectivity or Wi-Fi.
- **Storage**: At least 256GB SSD.
- **RAM**: 8GB or higher.

- **Software Requirements**

- Visual Studio Code.
- Git
- My SQL
- XAMPP

TOOLS AND TECHNOLOGY

- Graphical User Interface will be the preferred front-end interface to information display, since easy to use even for inexperienced users, it is attractive, provide shortcuts, and allows room for multitasking.
- ***HTML***

Hyper Text Mark-up Language is used for developing front-end Graphical user interface. It is standard language used for web pages.

- ***CSS***

Cascading style sheets are a style sheet language used to show a document or content written in mark-up language.

- ***SPRING BOOT***

Spring Boot is a Java framework that makes it easier to create and run Java applications. It simplifies the configuration and setup process, allowing developers to focus more on writing code for their applications.

- ***JAVA***

Java is a class-based, **object-oriented programming language** that is designed to have as few implementation dependencies as possible. It is intended to let application developers **Write Once and Run Anywhere (WORA)**, meaning that compiled Java code can run on all platforms that support Java without the need for recompilation.

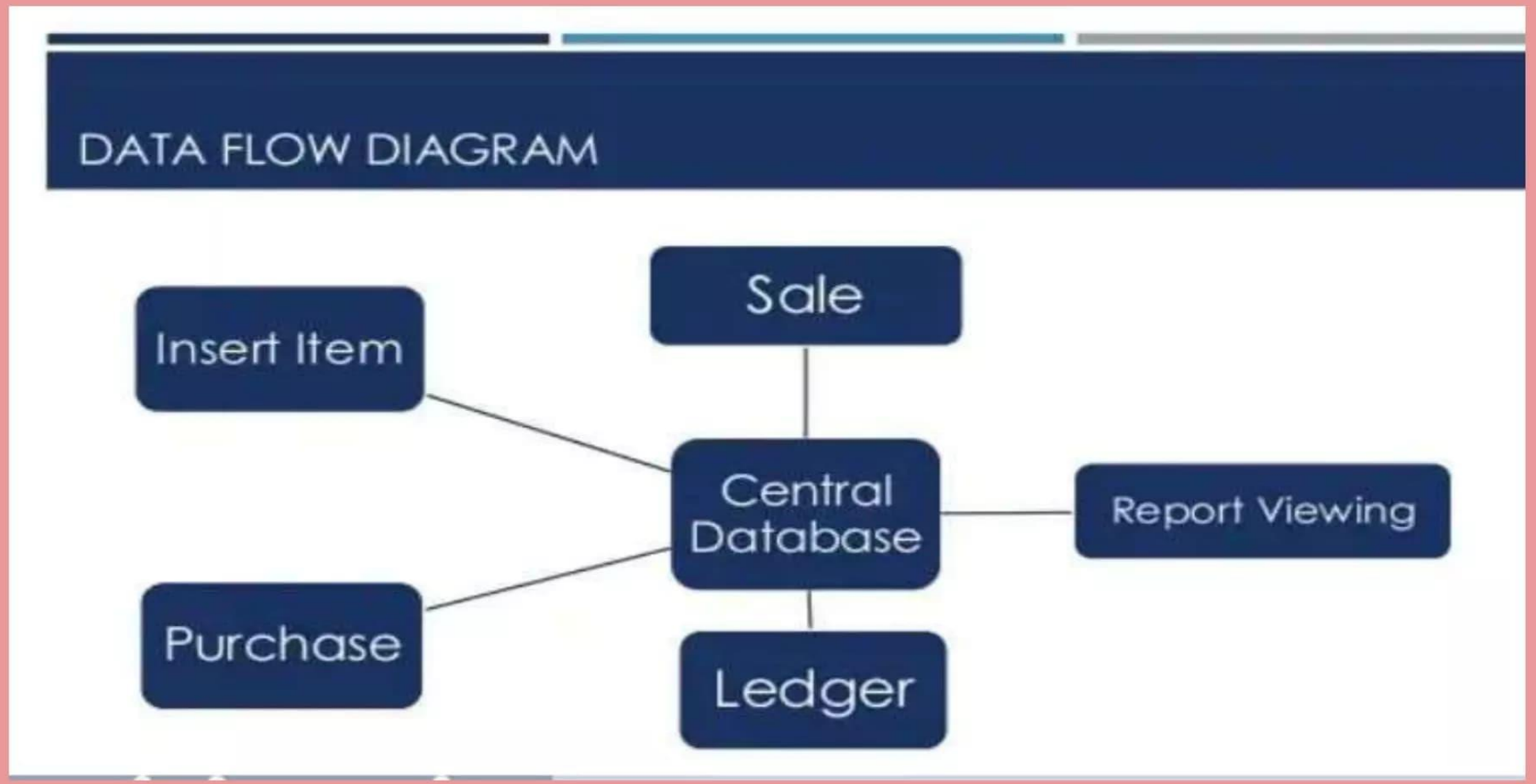
- ***PHP***

The system was created with the LA ravel PHP framework. The software will be developed using PHP one of the most widely used and reliable technologies for developing custom software solutions.

- ***MYSQL***

For database MYSQL is used. This technology will ensure that the software is scalable, reliable, and secure.

Data Flow For Stock Management System



OVERVIEW OF STOCK MANAGEMENT

- A Stock Management System is a software solution designed to efficiently track, manage, and control stock levels within a business.
- It ensures that inventory is accurately recorded, prevents overstocking or stock shortages, and optimizes the supply chain process.

Key Aspects of the System:

- To automate and streamline stock tracking.
- To improve inventory accuracy and reduce human errors.
- To provide real-time data for decision-making.

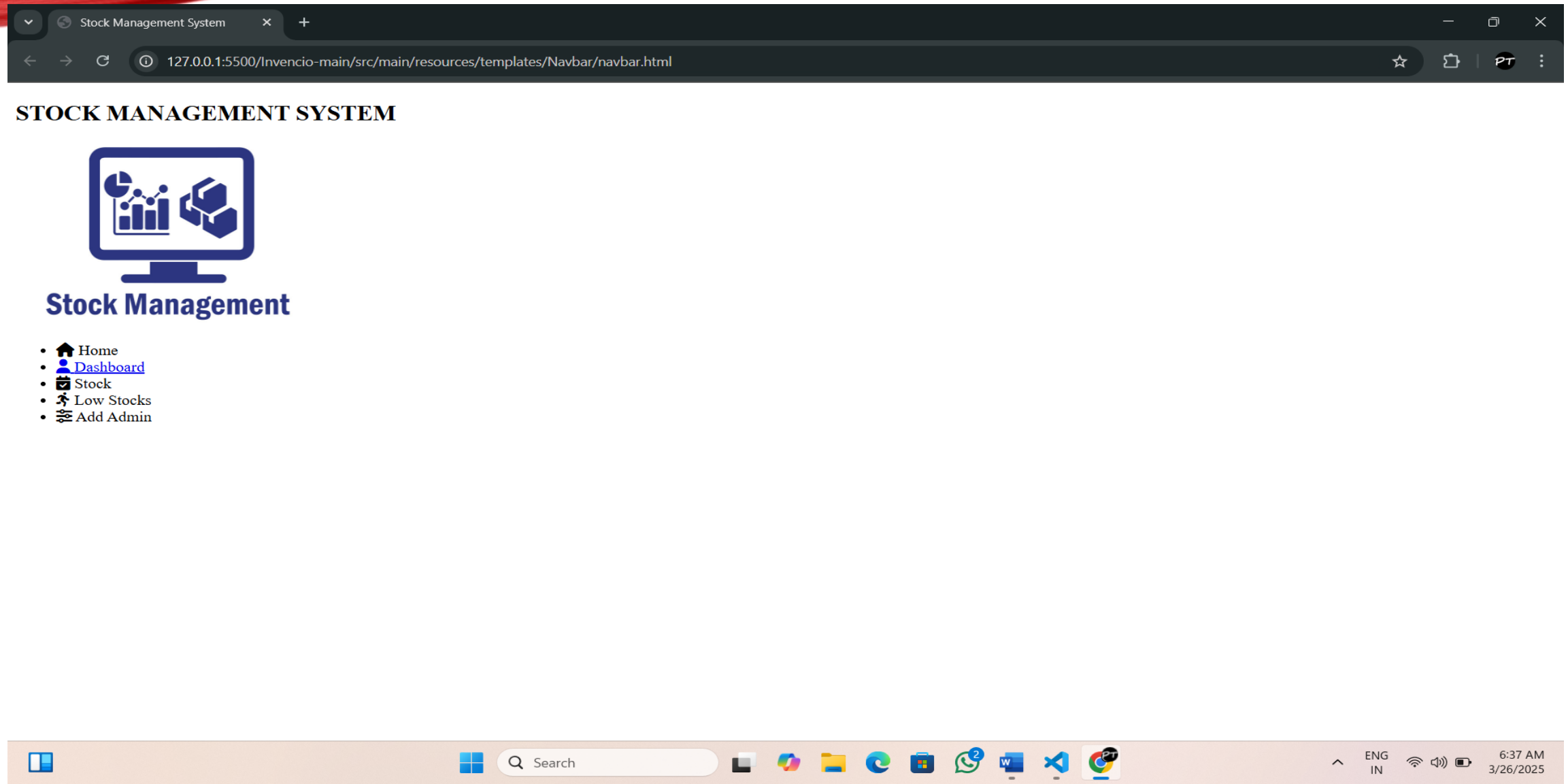
FEATURES

- **Stock Entry & Update**: Adding new stock and updating quantities.
- **Inventory Tracking**: Monitoring stock levels in real time.
- **Alerts & Notifications**: Low stock alerts, expiry reminders.
- **Reporting & Analytics**: Generate daily, weekly, and monthly reports.

BENEFITS

- Reduces errors and saves time.
- Improves efficiency in stock handling.
- Helps businesses make data-driven decisions.

STOCK MANAGEMENT SYSTEM



DASHBOARD PAGE

STOCK Management SYSTEM

127.0.0.1:5500/Invencio-main/src/main/resources/templates/Dashboard/dash.html

Total Stock

ID :

Name :

Role :

Contact Information :

Phone:

Email:

Address:

Business Registration Details :

Business Registration Number:

Tax Identification Number (TIN):

Search

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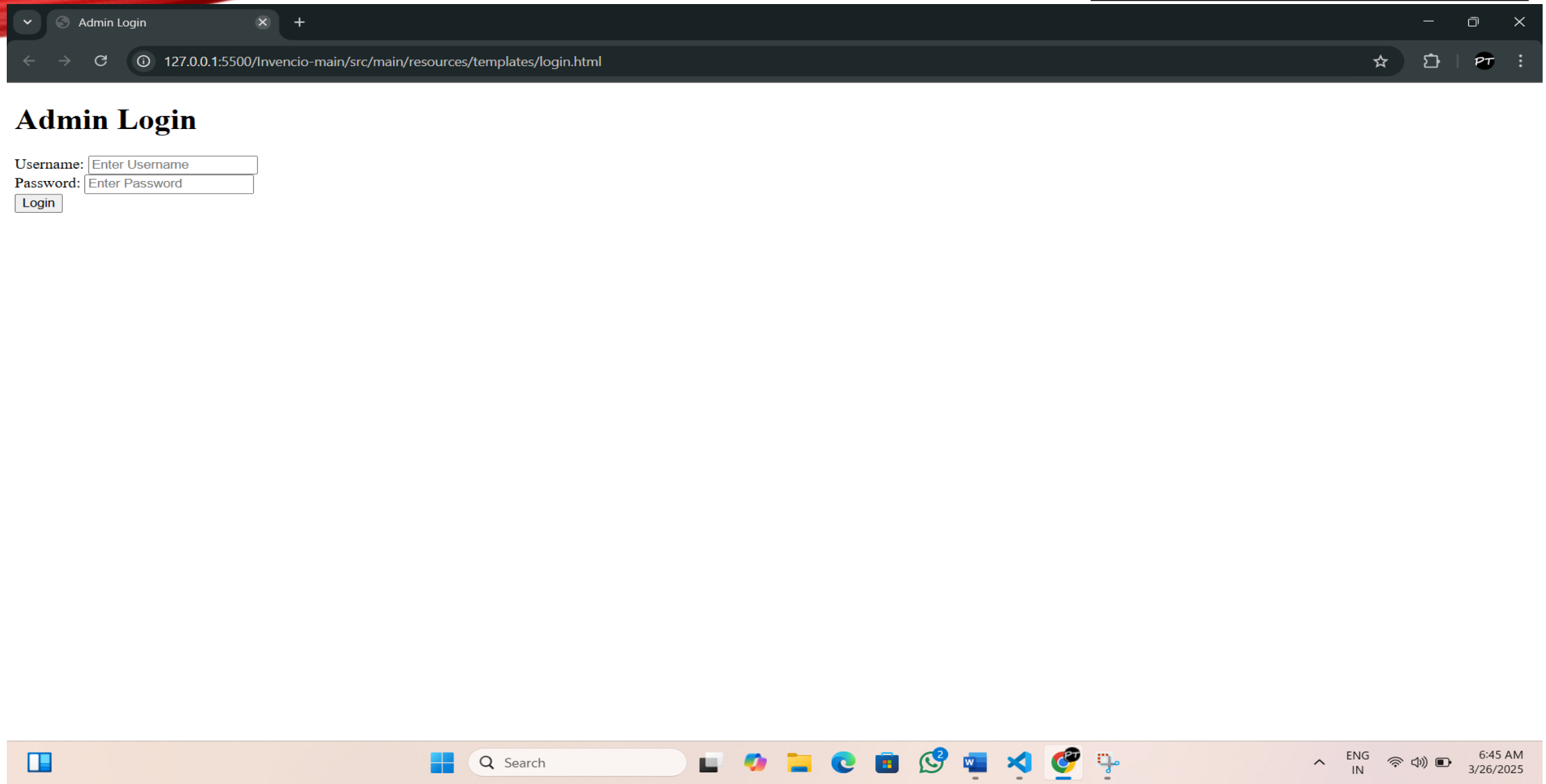
LOGIN PAGE


Admin Login
127.0.0.1:5500/Invencio-main/src/main/resources/templates/login.html
Admin Login
Username: Enter Username
Password: Enter Password
Login
Search
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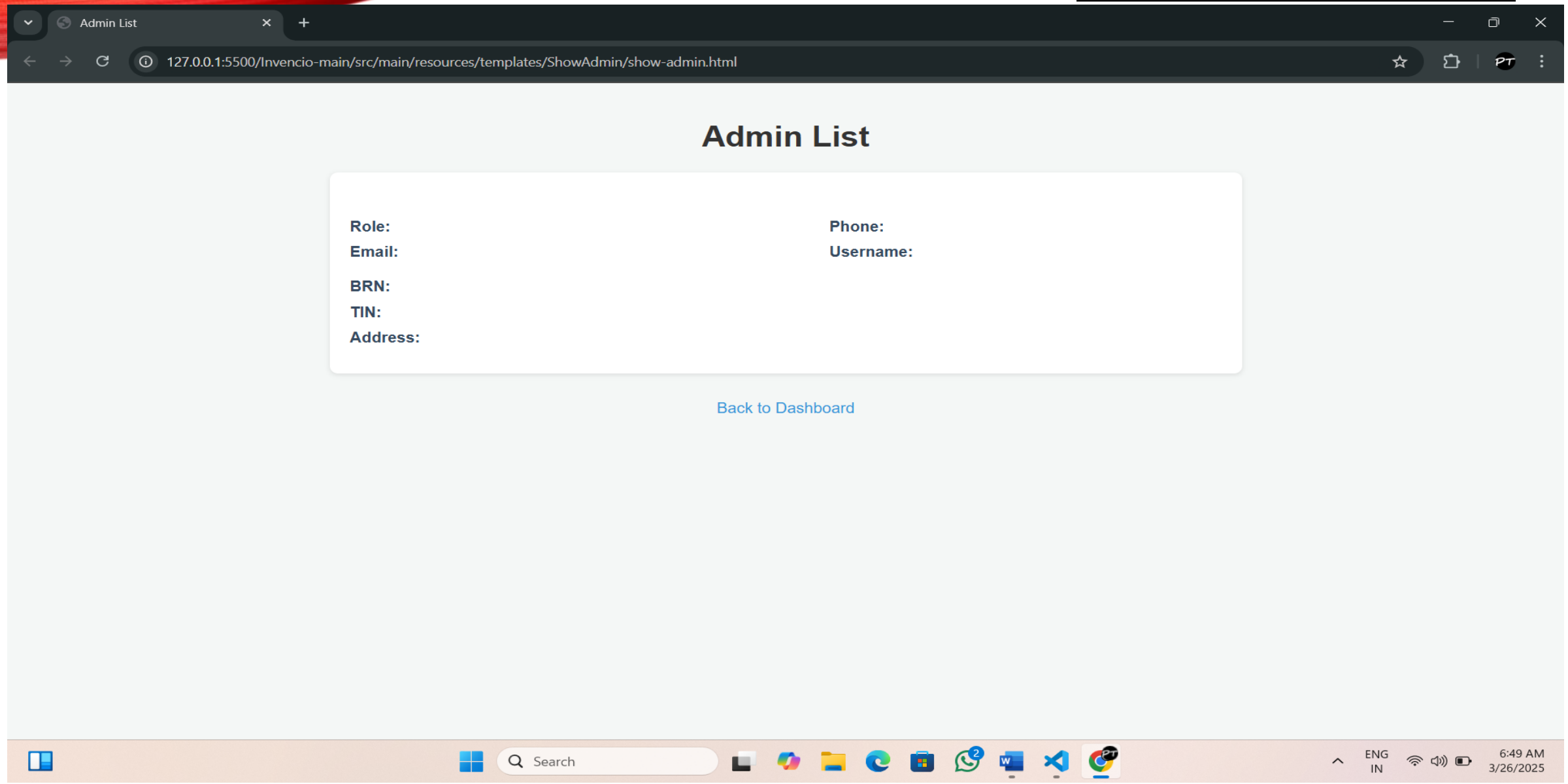
ADMIN PAGE


Admin List
127.0.0.1:5500/Invencio-main/src/main/resources/templates/ShowAdmin/show-admin.html
Admin List
Role:
Email:
BRN:
TIN:
Address:
Phone:
Username:
Back to Dashboard
Search
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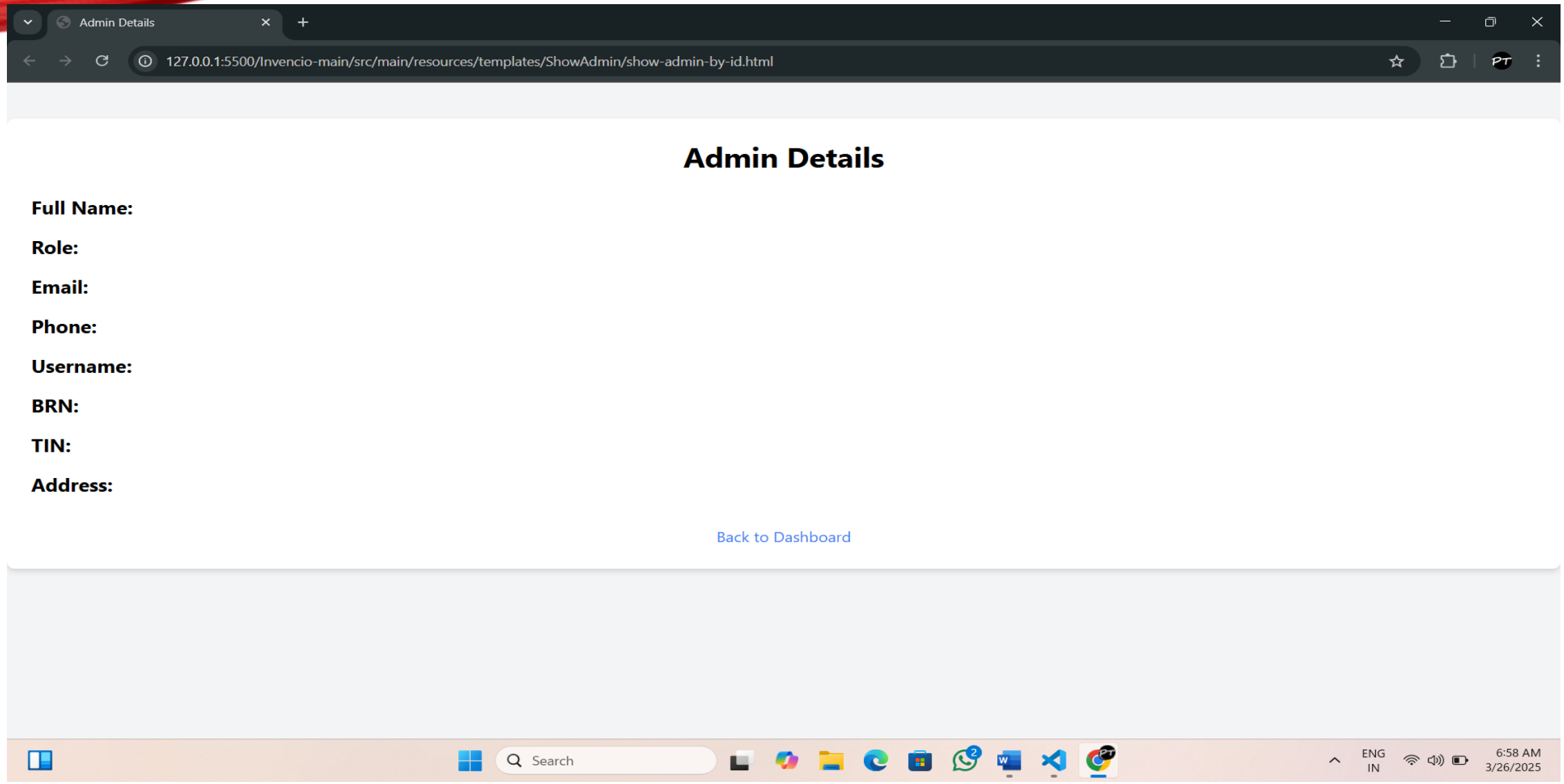
ADMIN ID PAGE



INDEX PAGE

Stock Management system

127.0.0.1:5500/Invencio-main/src/main/resources/templates/index.html

Stock Management system

Dashboard Login

Streamline Inventory, Maximize Efficiency!...

Stock Management System

Search

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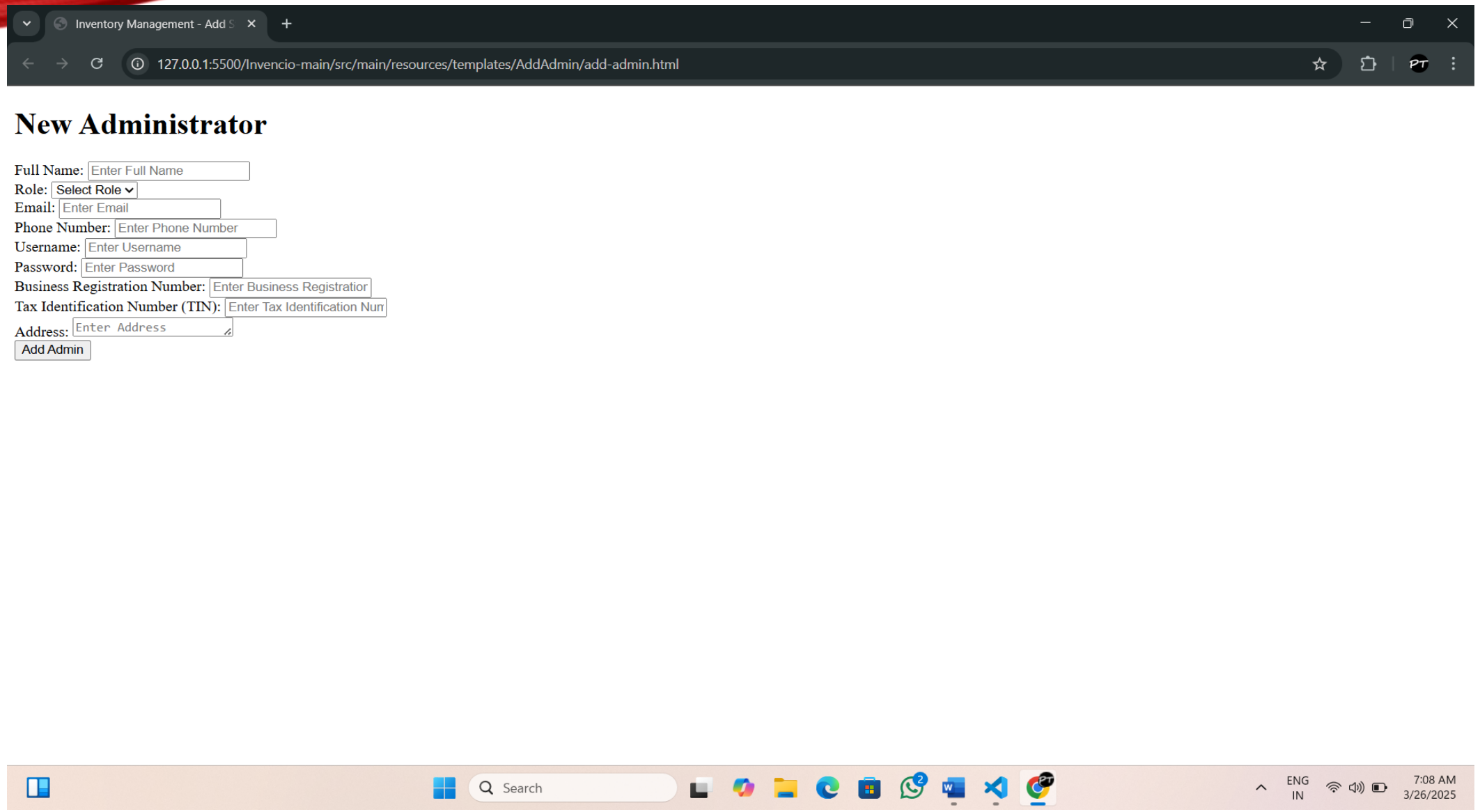
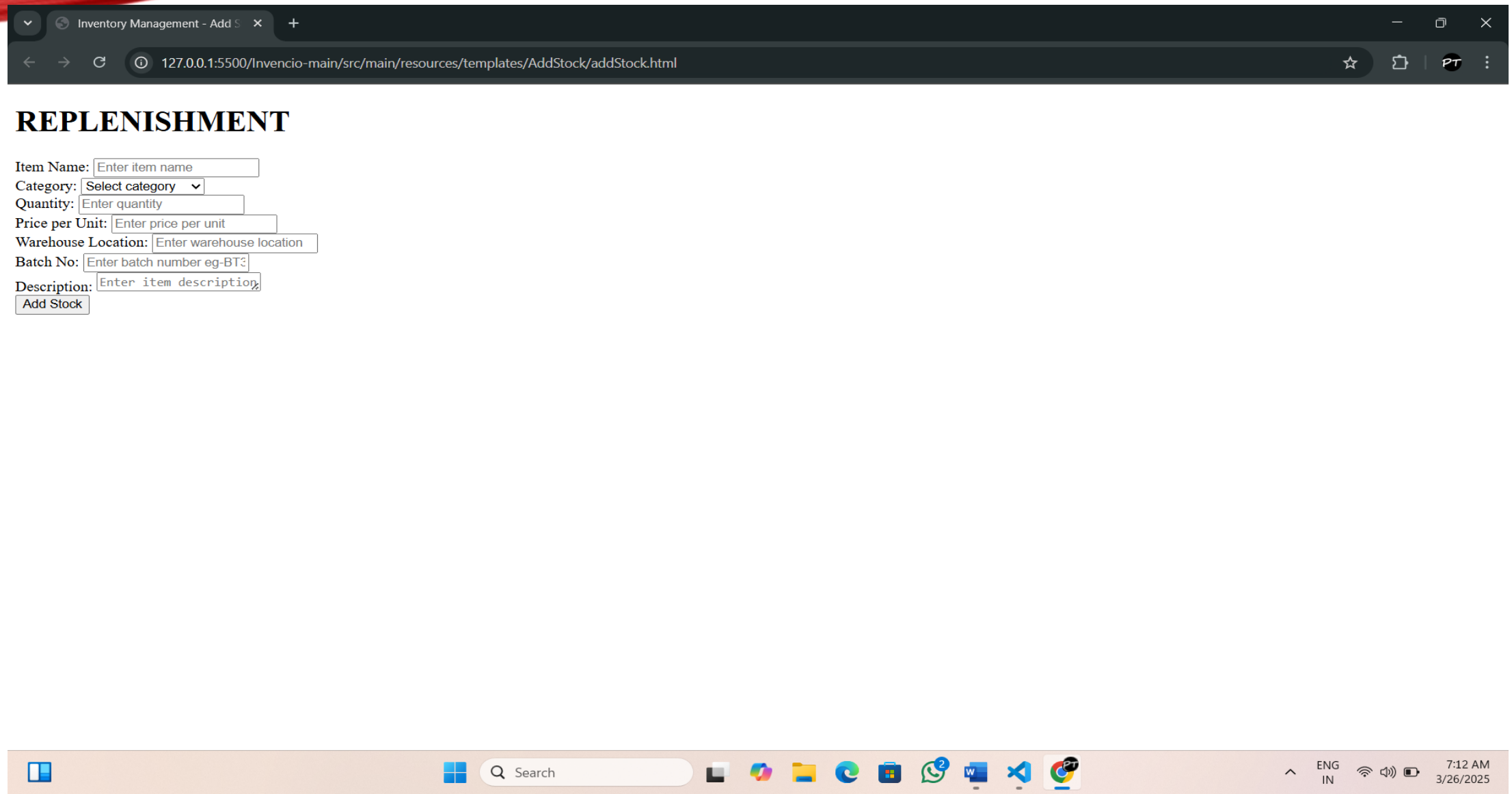
ADD ADMIN PAGE



ADD STOCK PAGE



PRODUCT PAGE

GSAP Product Price Range Slide

127.0.0.1:5500/Invencio-main/src/main/resources/templates/Product/product.html

STOCK MANAGEMENT SYSTEM

Search your item Search

Search

ENG IN

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GSAP Product Price Range Slide

127.0.0.1:5500/Invencio-main/src/main/resources/templates/Product/product.html

Search

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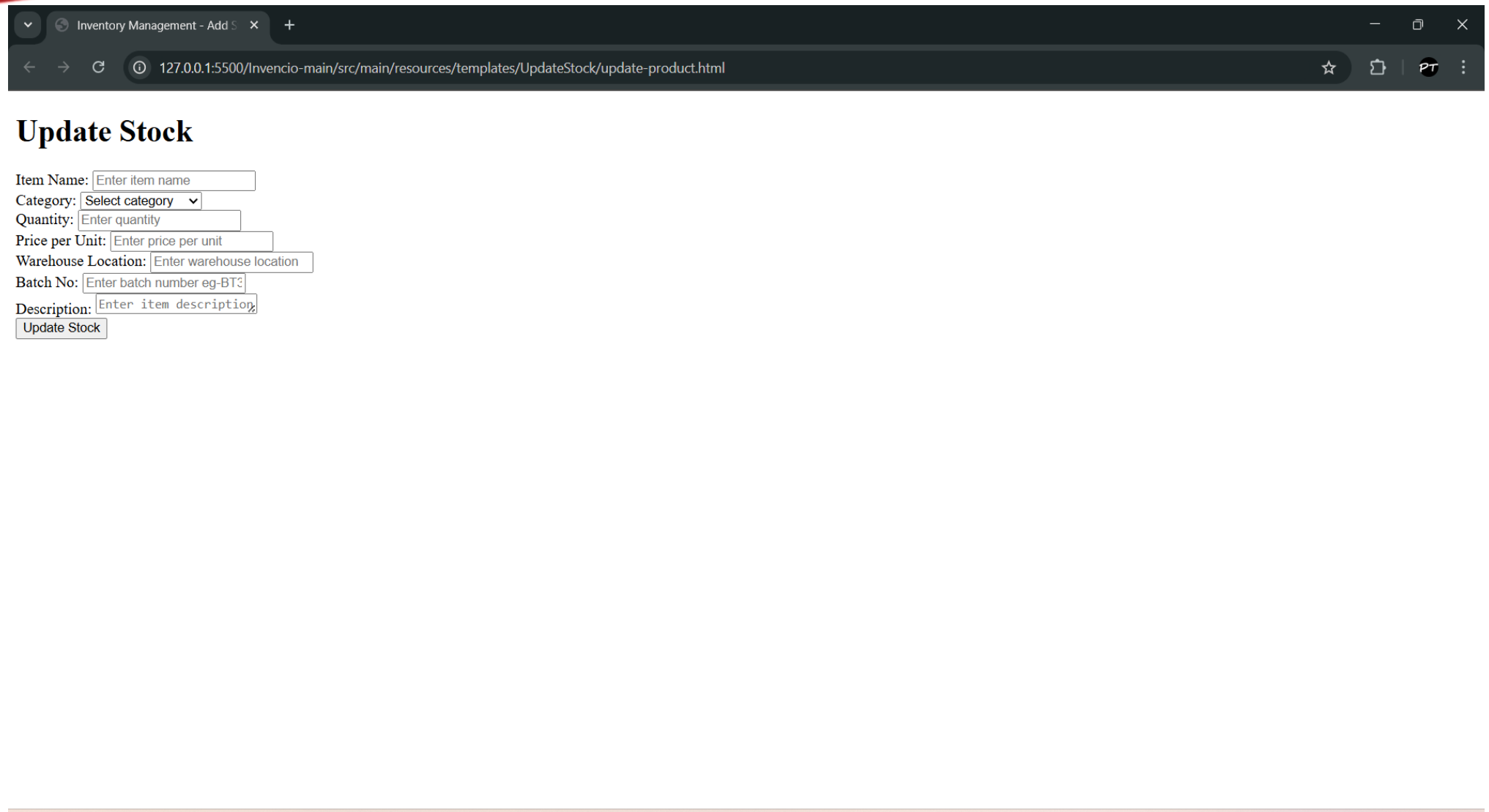
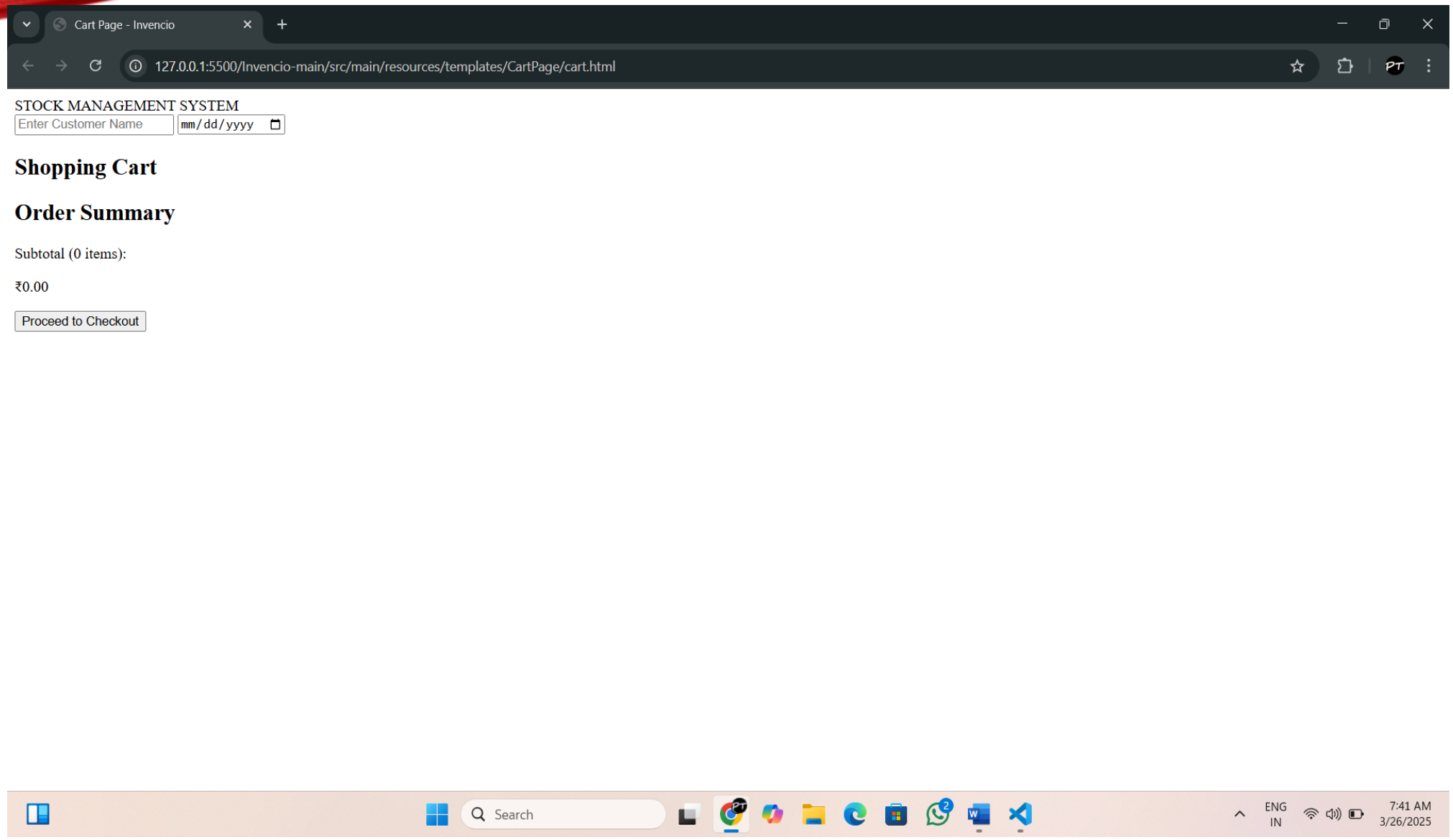
UPDATE PRODUCT PAGE



CART PAGE


Cart Page - Invencio
127.0.0.1:5500/Invencio-main/src/main/resources/templates/CartPage/cart.html
STOCK MANAGEMENT SYSTEM
Enter Customer Name
mm/dd/yyyy
Shopping Cart
Order Summary
Subtotal (0 items):
₹0.00
Proceed to Checkout
Search
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FUTURE ENHANCEMENTS

- AI-based Demand Prediction
- Mobile App Integration
- Barcode Scanner Integration

CONCLUSION

- The system is designed to reduce human labour and efficiently maintaining the stock.
- It provides flexible and powerful reports regarding item, purchase, sales and ledgers.
- We hope that it will help people to reduce both time and money.

THANK YOU!