INVENTORY MANAGEMENT SYSTEM

ID: 10881447

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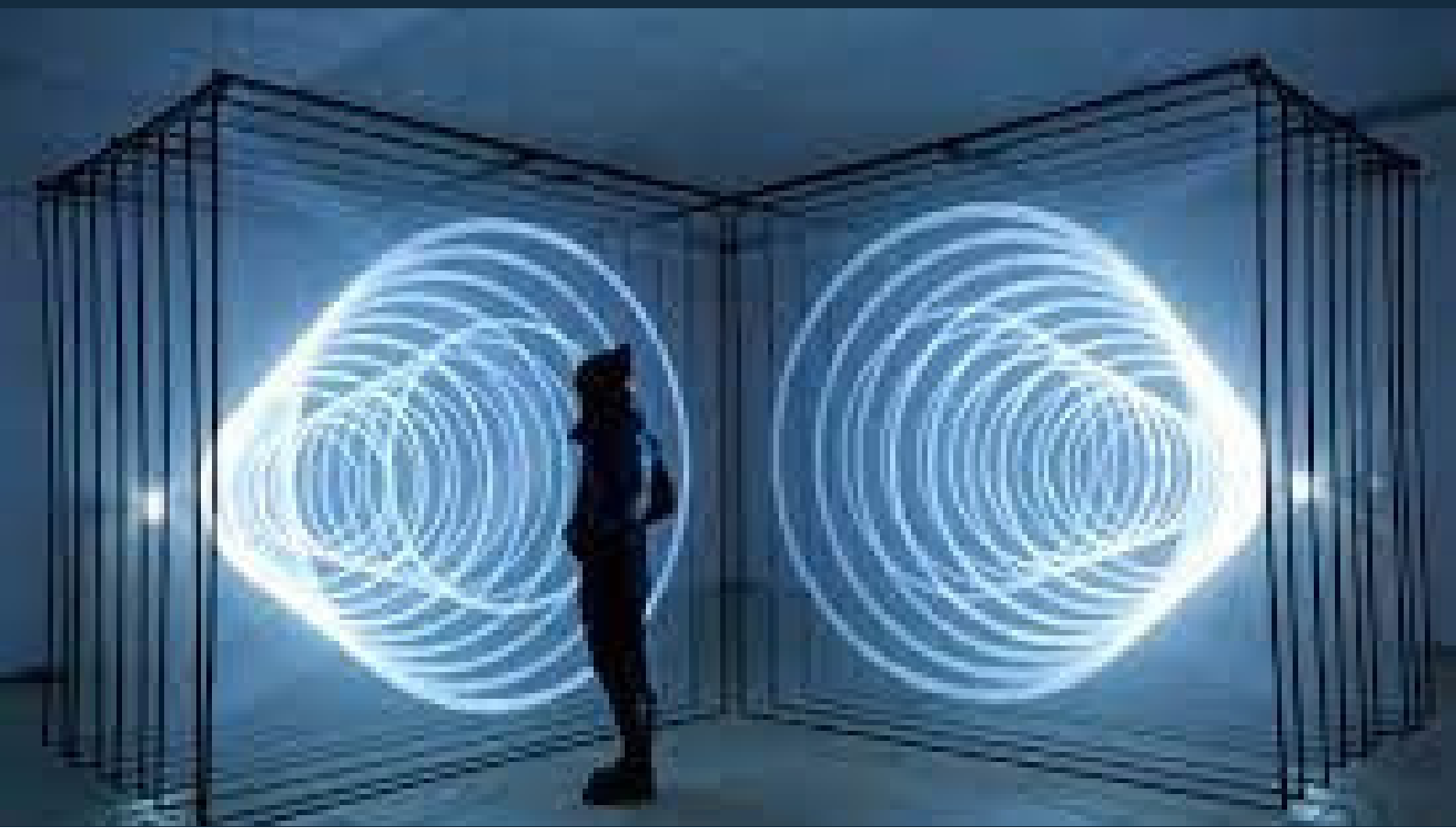


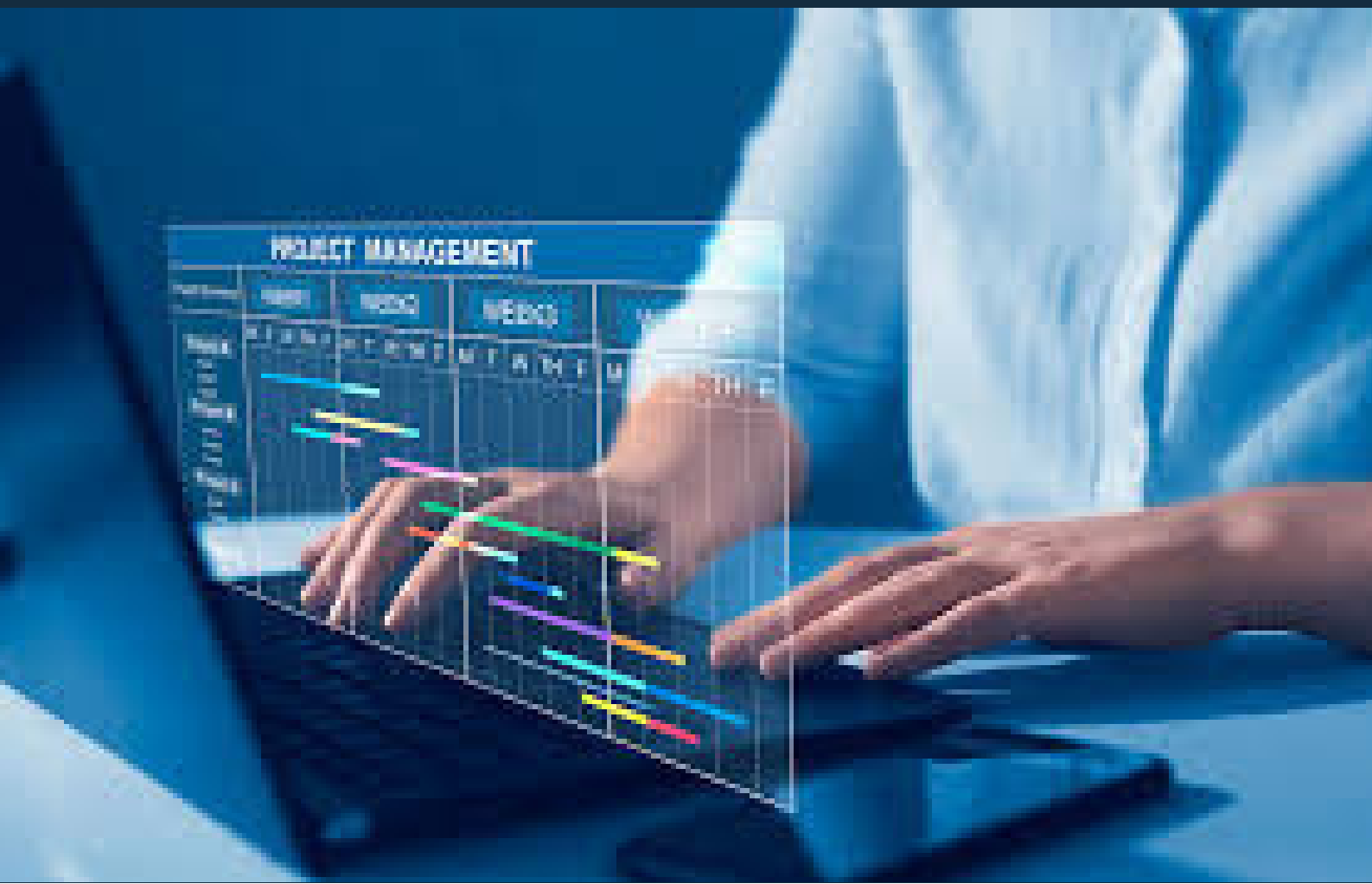
INTRODUCTION

As part of the DATA STRUCTURES AND ALGORITHMS 2 Course, DCIT 308, a project in fulfillment of the end of the semester, students were required to create an inventory management system for a provision store that allows the store owner to add goods, view vendors, view goods, view bills, and view issued goods. We were required to use Java for the implementation.

SYSTEM REQUIREMENTS

To run the Java Inventory Management System, you need to ensure that your system meets the following requirements:

- Java Development Kit (JDK) 8 or later
- Java Runtime Environment (JRE) 8 or later
- An IDE (Integrated Development Environment) such as Eclipse or IntelliJ IDEA
- MySQL or any other compatible database management system



INSTALLATION

To install the Java Inventory Management System, follow these steps:

1. Clone or download the project from the repository.
2. Open your preferred IDE and import the project.
3. Configure the database connection settings in the config.properties file.
4. Build the project to resolve any dependencies.

USAGE

To use the Java Inventory Management System, follow these steps:

1. Launch the application.
2. On the main menu, you will see options to perform various operations such as adding an item, updating stock levels, generating reports, etc.
3. Select the desired operation and follow the prompts.
4. The system will guide you through the process and provide relevant information or instructions.
5. After completing the operation, you can either exit the application or perform another operation.

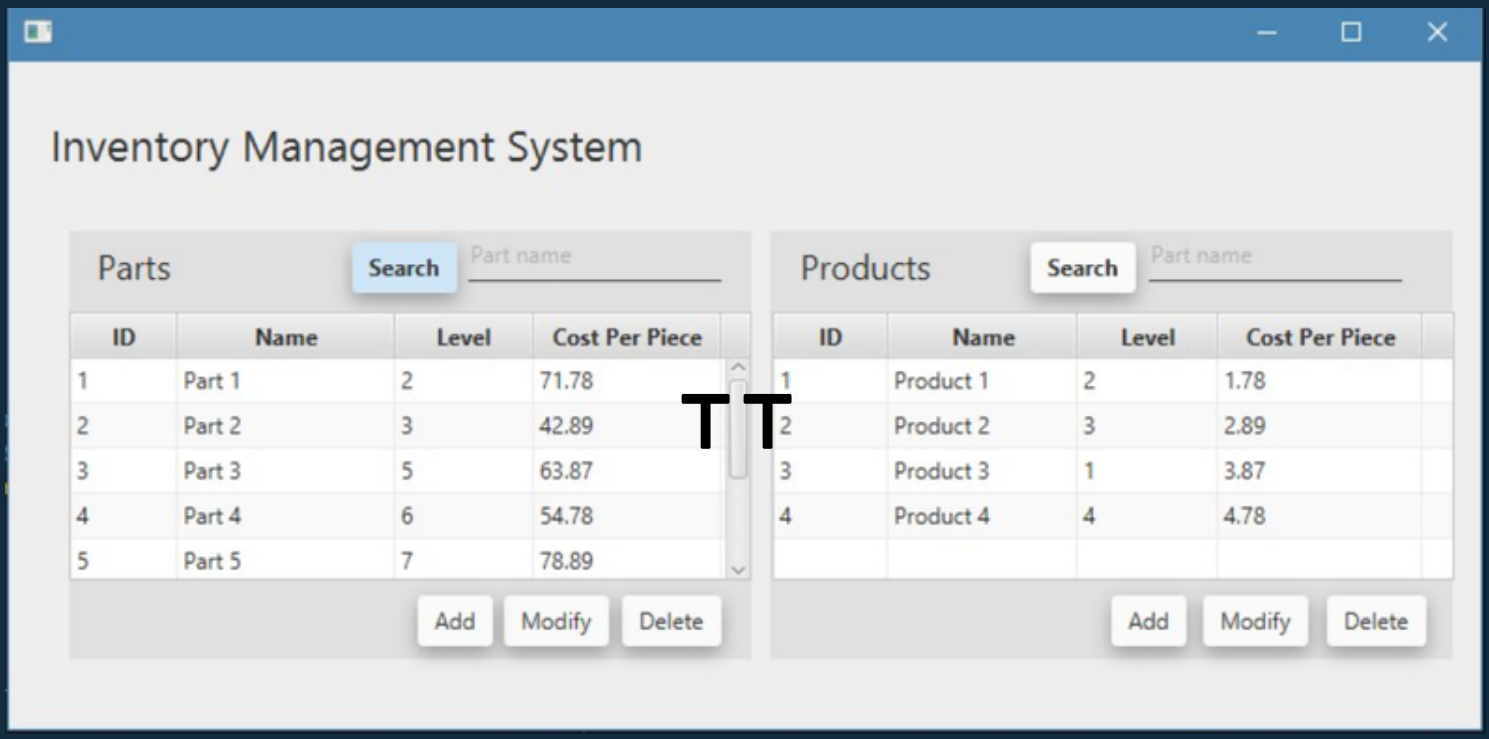
FUNCTIONALITY

The Java Inventory Management System provides the following key functionalities:

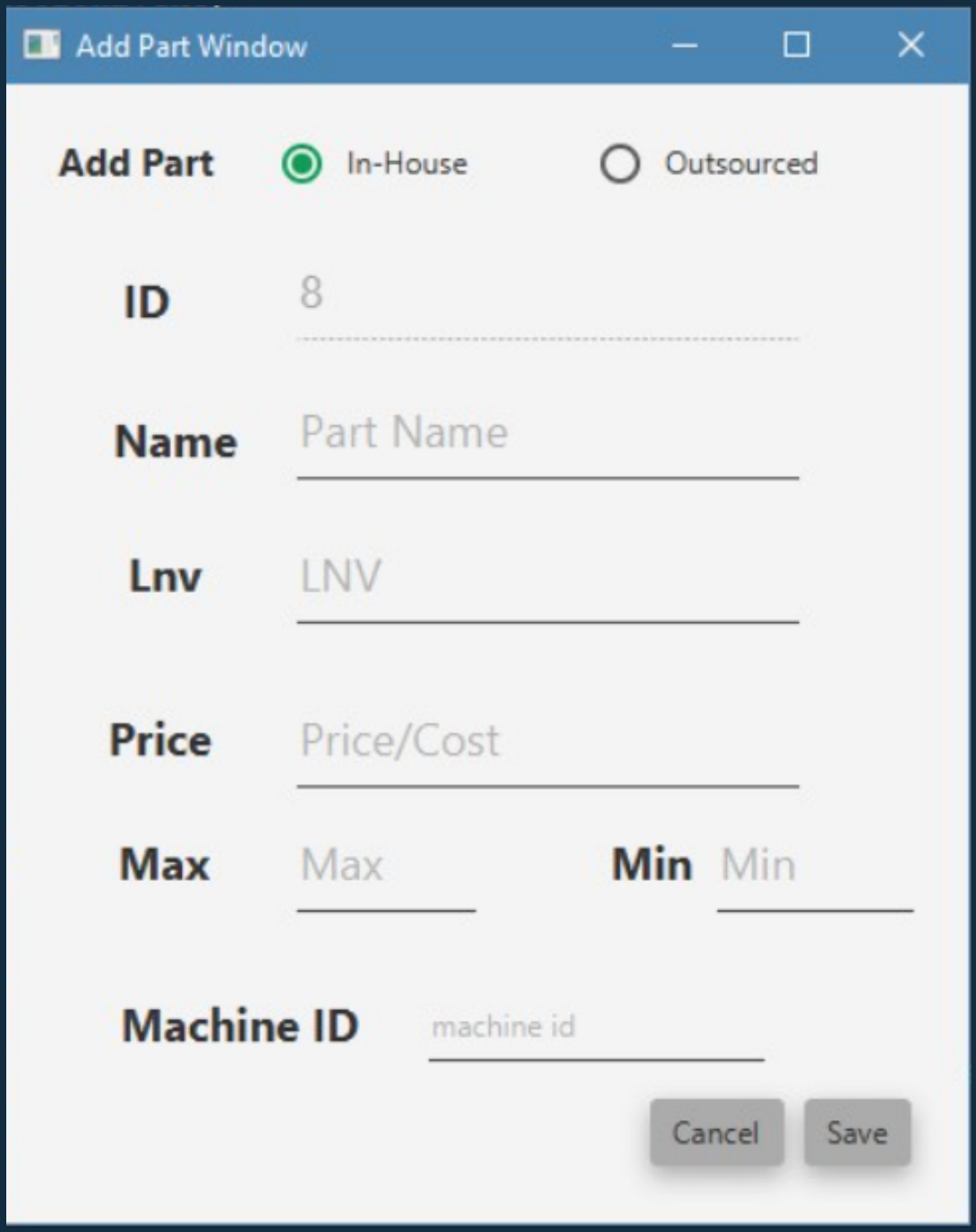
- Adding items to the inventory: Allows users to add new items to the inventory with details such as name, quantity, price, etc.
- Updating stock levels: Enables users to update the stock levels of existing items in the inventory.
- Removing items from the inventory: Allows users to remove items from the inventory.
- Generating inventory reports: Provides the ability to generate various reports such as stock levels, sales, profitability, etc.
- Searching and filtering items: Allows users to search and filter items based on different criteria such as name, price range, etc.

SCREENSHOTS

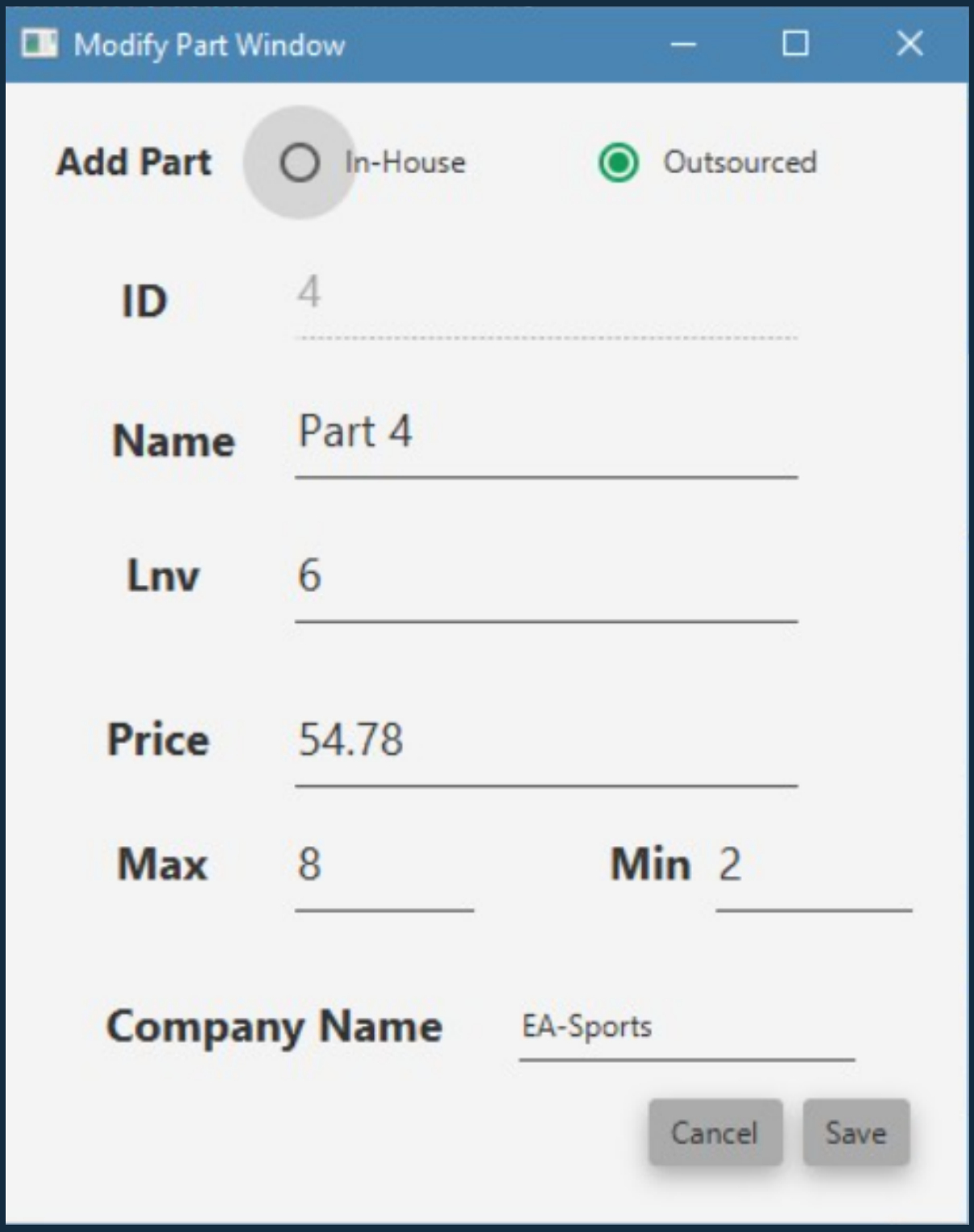
MAIN SCREEN



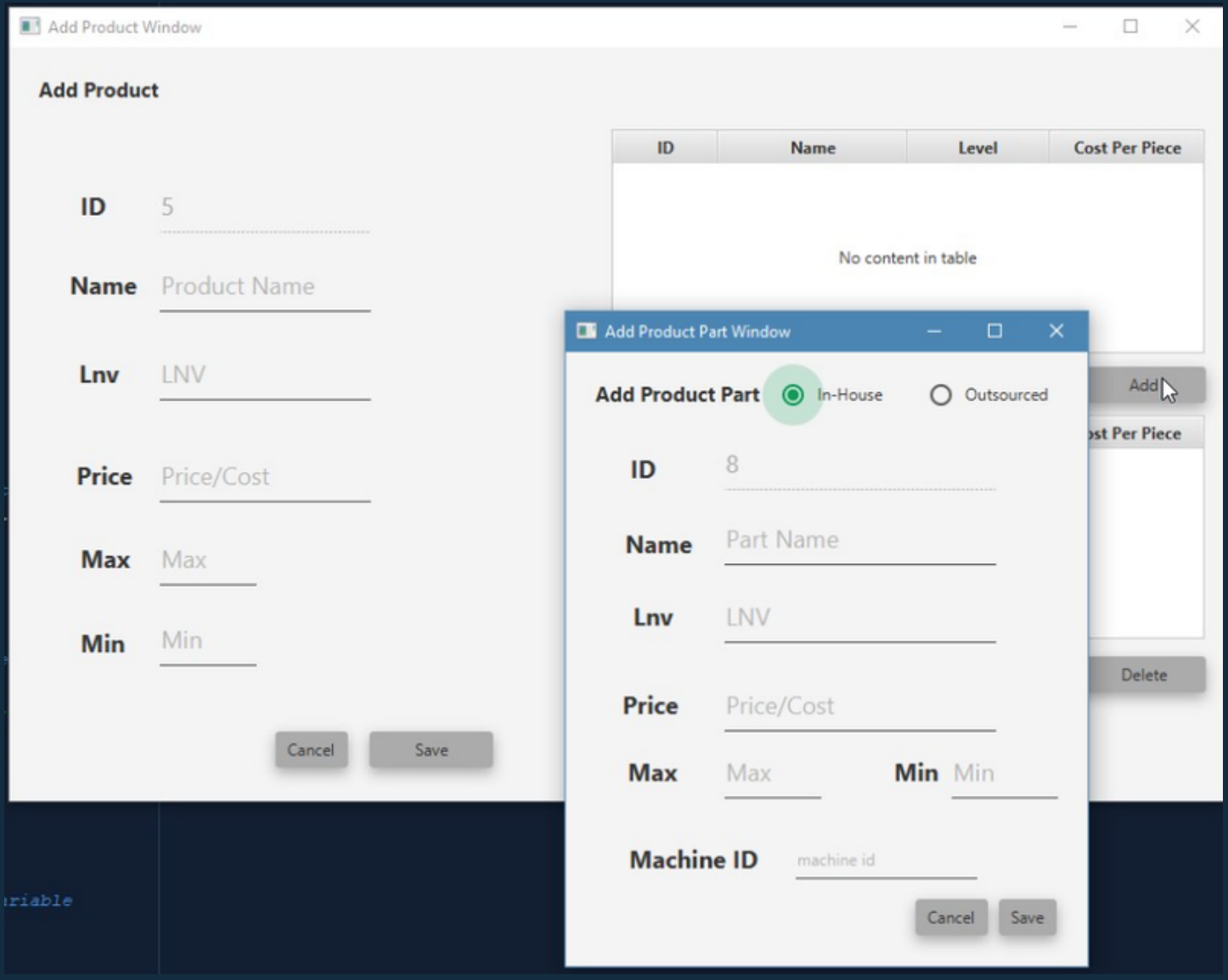
ADD PARTS


Add Part Window
Add Part
In-House
Outsourced
ID
8
Name
Part Name
Lnv
LNV
Price
Price/Cost
Max
Max
Min
Min
Machine ID
machine id
Cancel
Save

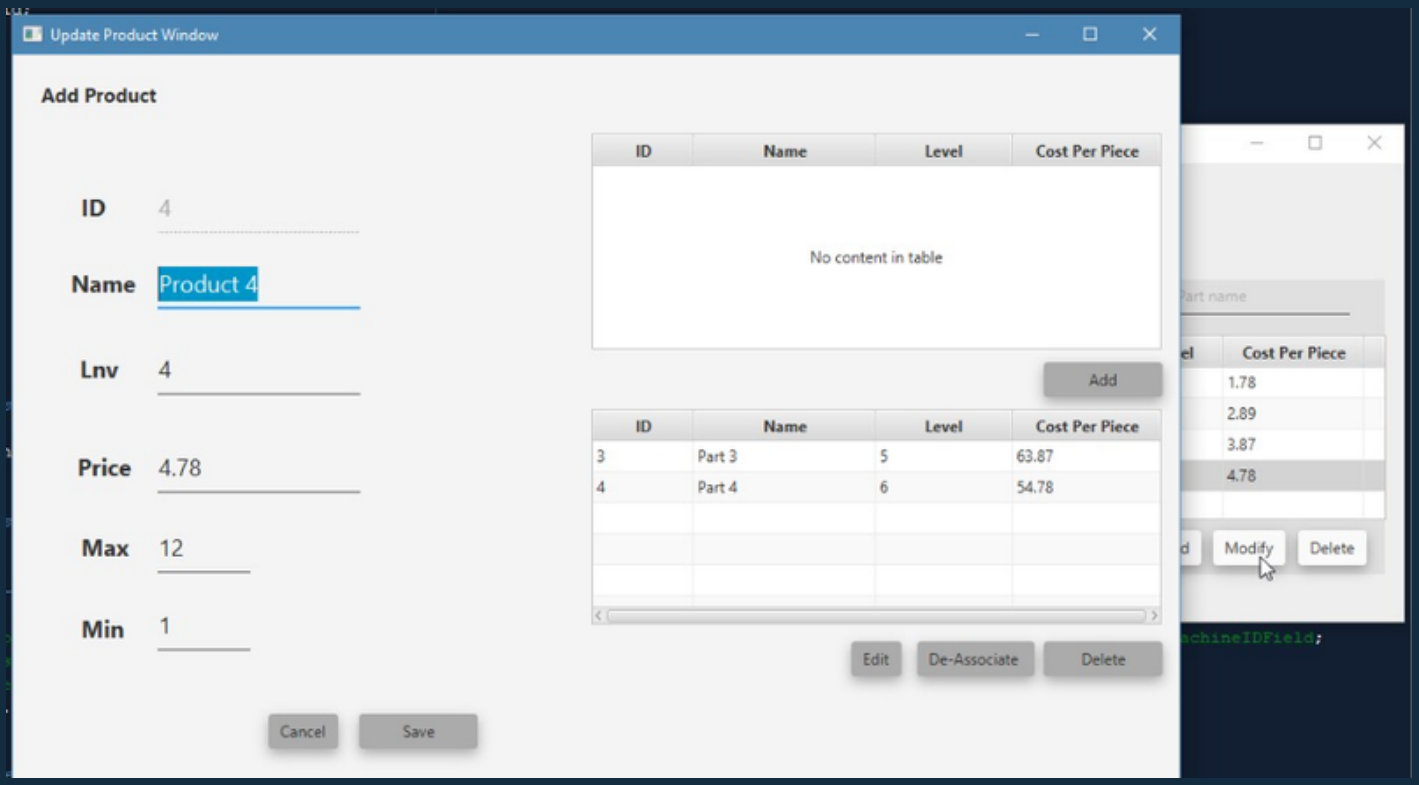
ADD PARTS


Modify Part Window
Add Part
In-House
Outsourced
ID
4
Name
Part 4
Lnv
6
Price
54.78
Max
8
Min
2
Company Name
EA-Sports
Cancel
Save

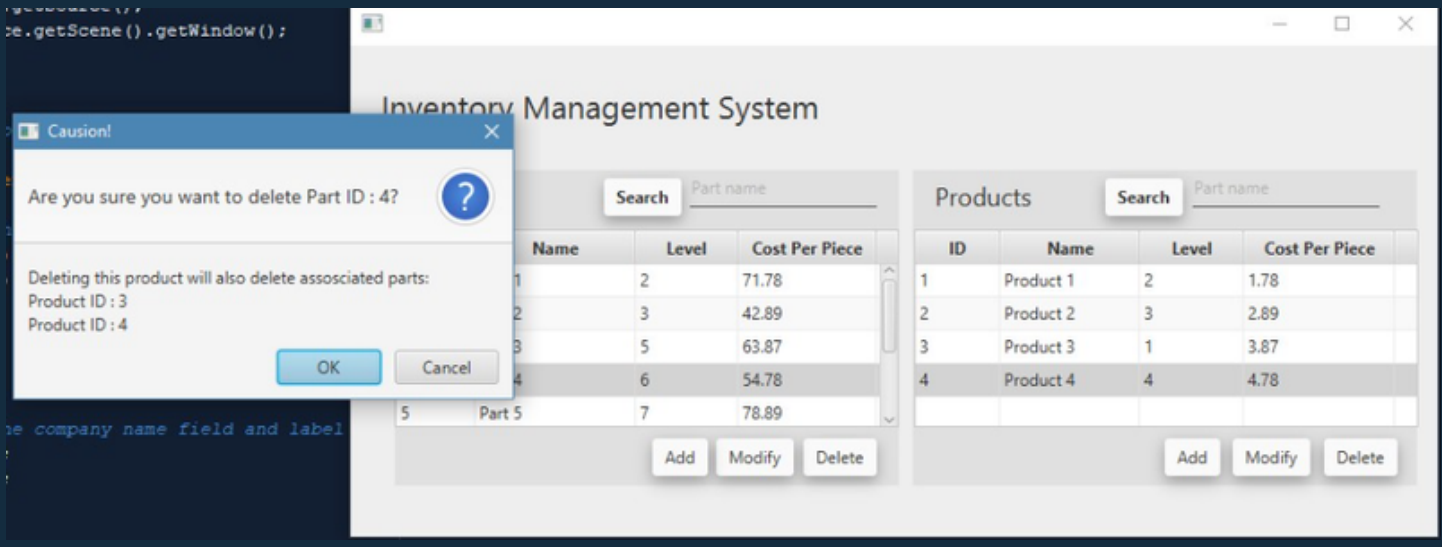
ADD PARTS


Add Product Window
Add Product
ID
5
Name
Product Name
Lnv
LNV
Price
Price/Cost
Max
Max
Min
Min
Cancel
Save
ID
Name
Level
Cost Per Piece
No content in table
Add
Delete
Add Product Part Window
Add Product Part
In-House
Outsourced
ID
8
Name
Part Name
Lnv
LNV
Price
Price/Cost
Max
Max
Min
Min
Machine ID
machine id
Cancel
Save

UPDATE PRODUCT



DELETE PRODUCT



THE END

THANK YOU