

# Design and Manufacturing of Administration Information System on UD X Building Material Stores

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# Background

- UD X is a building material store located in Surabaya.
- The administration system used is manual at this point.
- It is important to design a good administrative information system for the store.

# Project Questions

- How to design a good purchasing and selling administration information system.
- How to design item stock inventory using Average system.
- How to generate operational reports that include purchasing, selling, and profit analysis.

# Project Objectives

- To design and develop an administration system.

# Current System Analysis

- Every transaction were recorded manually.

# Current Purchasing System

- Purchasing order process from supplier were done by phone or through supplier who come to shop.
- Payment can be processed through cash or credit.

# Current Selling Process

- Selling process can be done in cash or credit by customer.
- Credit payments can only be done by customer who make party purchases.

# Current Return Process

- Purchase Return and Sales Return
- This process can only be done if the goods that obtained by customer damaged or not comply with the orders.



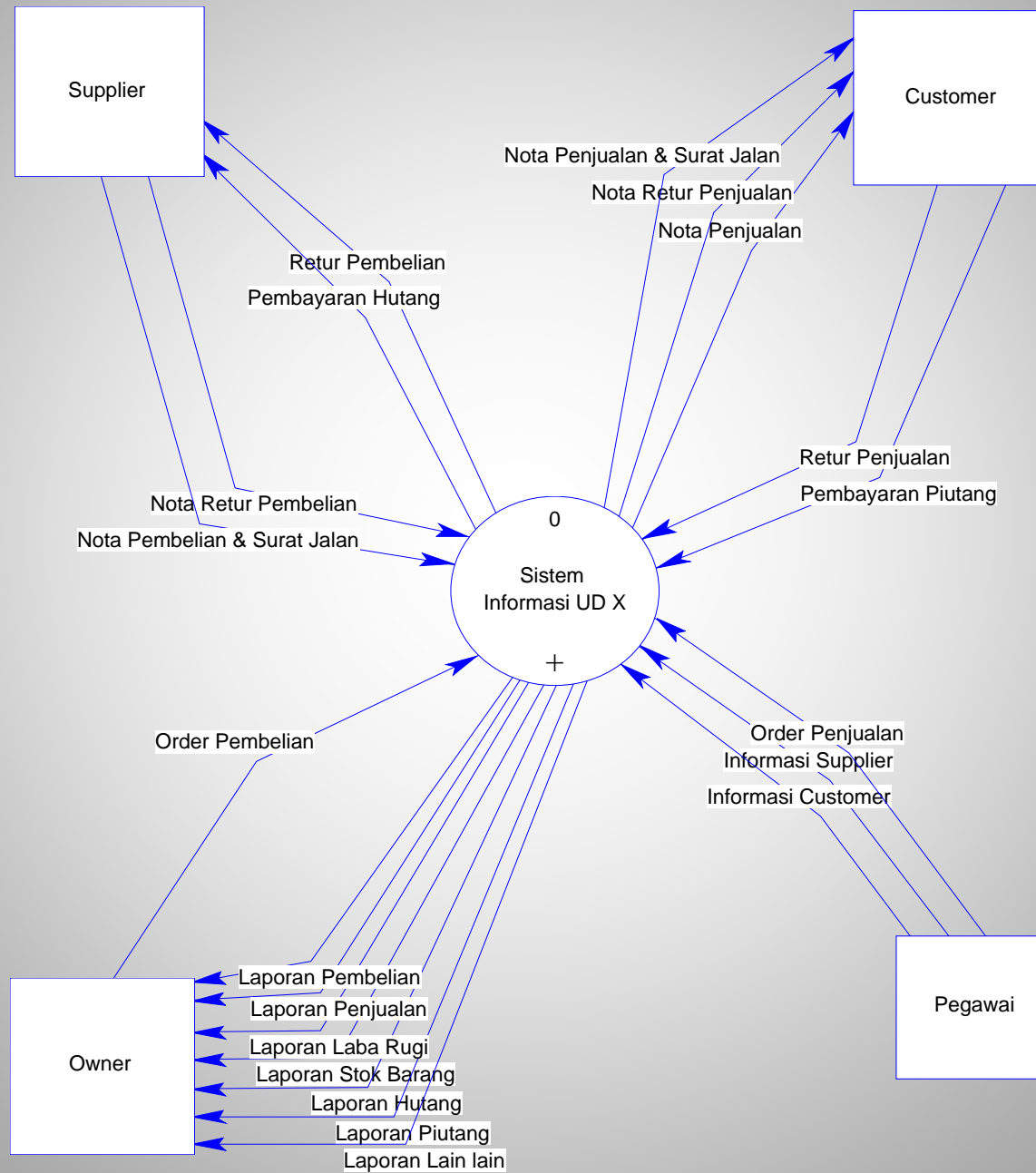
# Problem Analysis

- Difficulty in calculating profit analysis report.
- Difficulty in record the item stock.
- Difficulty in recording of debt and credit.
- Difficulty in making purchases and sales report
- Difficulty in performing all administrative records manually.

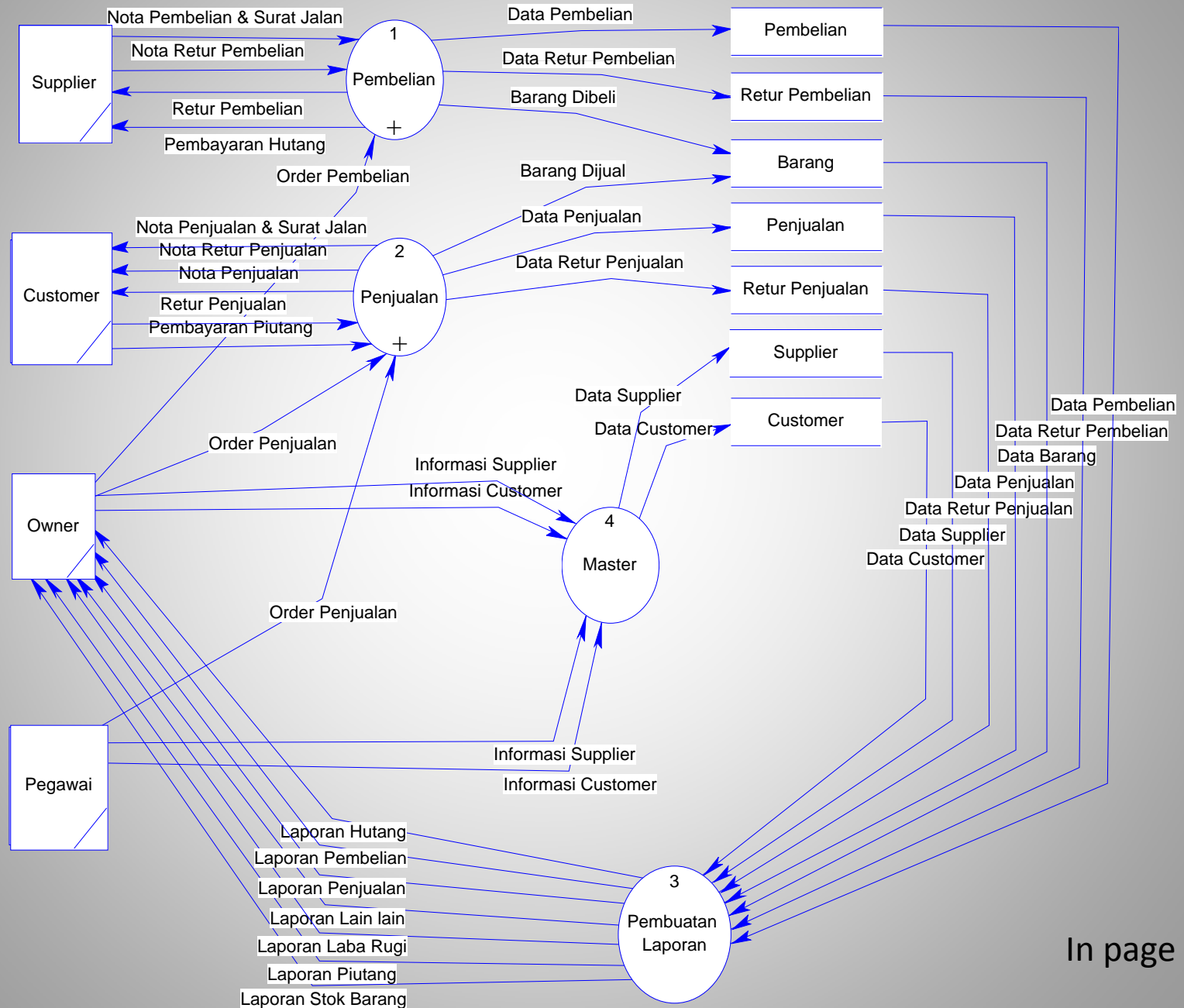
# Needs Analysis

- Through the problems analysis, that is needed an information system to assist the administrations process in this store.

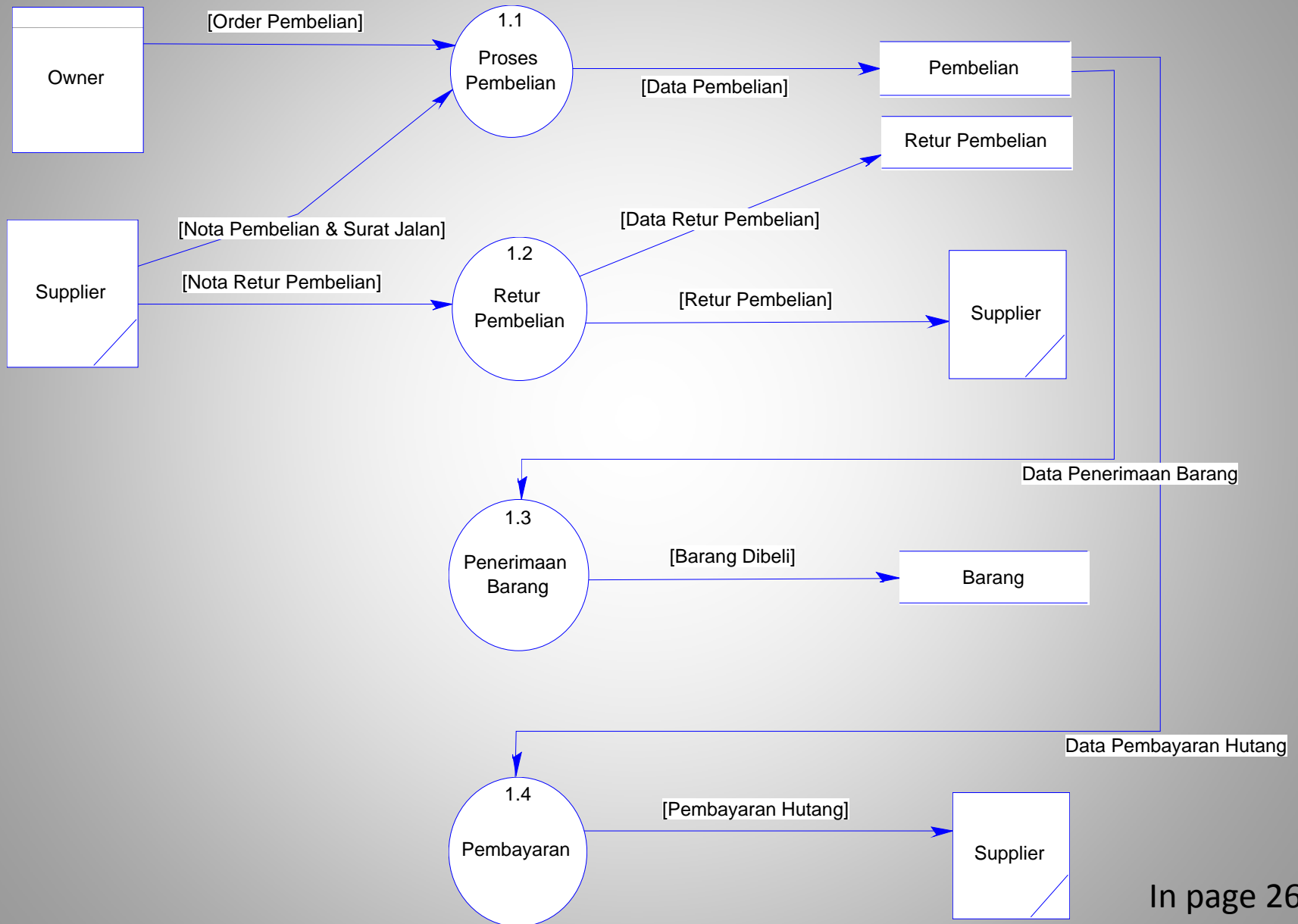
# Context Diagram



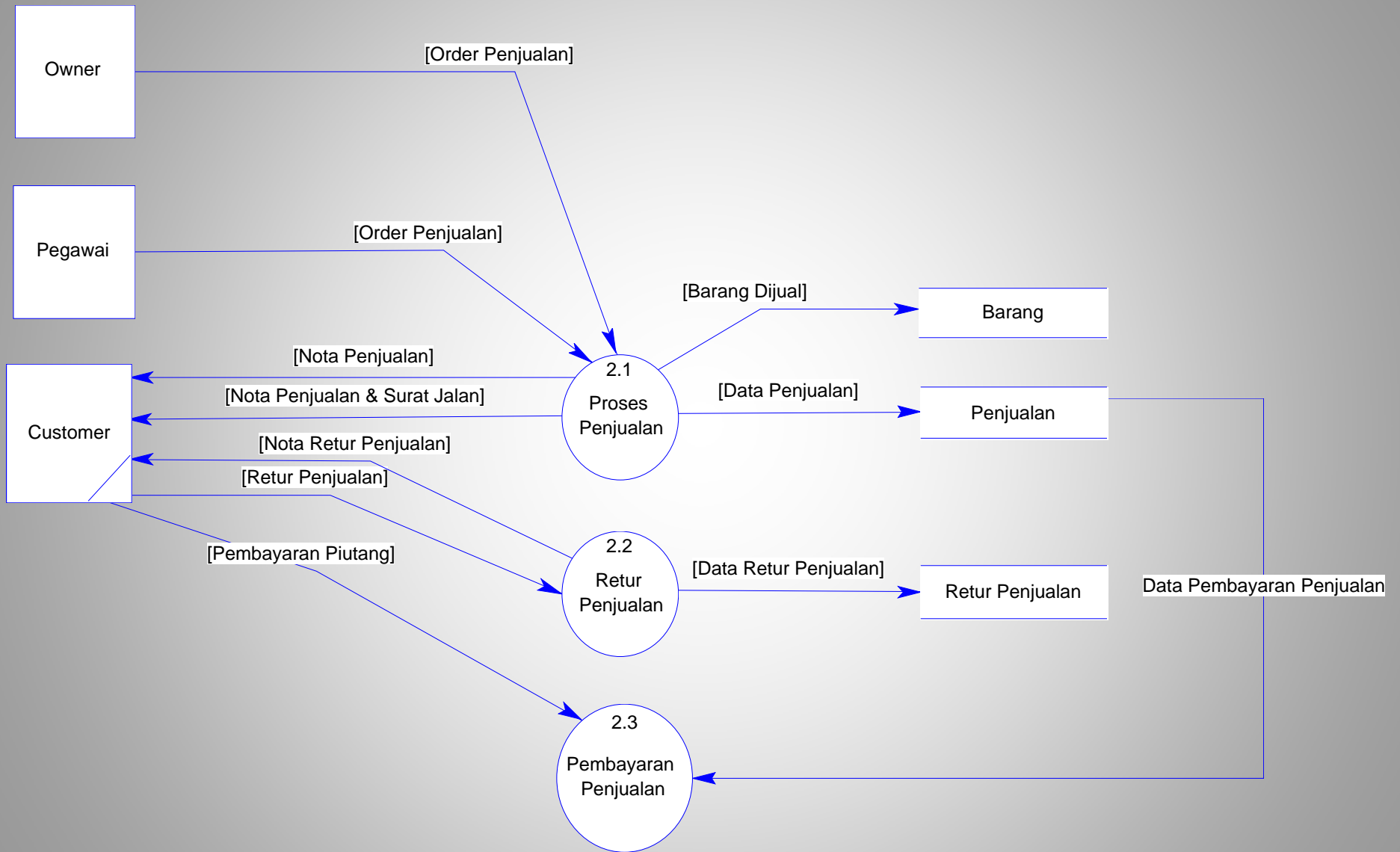
# DFD level 0



# DFD level 1 - Purchasing



# DFD level 1 - Selling









# Conclusions

- Based on questionnaire results, this system could help the companies to run the administrative processes.
  - Easy to use: 40% Very Satisfied, 60% Satisfied
  - Suitability with system: 40% Very Satisfied, 60% Satisfied
  - Application Design: 40% Very Satisfied, 40% Satisfied, 20% Neutral
  - Application Features: 20% Very Satisfied, 20% Satisfied, 40% Neutral
  - Application System: 60% Very Satisfied, 40% Satisfied
  - Application Benefits: 40% Very Satisfied, 60% Satisfied

# Suggestions

- Making a better reports with analysis report and the graph for the reports.
- Improve program user friendly.

Thank You