



Inventory System

(24/7 Pandesalan Bakery Shop)

Presented by the K/D/A Team



5 Computer Based Information System (CBIS)

1. Free Bakery POS System by Nextar
 - a. Full inventory control, improve Customer Service, track of everything statistically
2. ChefTec
 - a. Recipe Costing, Inventory Control, Purchasing, Ordering, Requisition & Transfer, Nutritional Analysis
3. FlexiBake
 - a. Production planning, route management, lot tracking, online ordering
4. SAP Business one
 - a. Financials, operations, and human resources
5. CyBake
 - a. Orders, invoices, recipes, production and deliveries



Objectives

To create an improved inventory and planning system to help the manager to monitor the stocks that are entering and exiting the plant

- To identify the current state of the existing Inventory System.
- To identify problems encountered in the Inventory System.
- To propose features that shall solve the problems in the Inventory System.
- To justify the feasibility of the proposed Inventory System.



Background

(Background of the Study)

- It is engaged in distribution
- Focused to serve in market and business industry
- Uses an inventory system to boost productivity
- Sales Data & Analytics



Background (Company Profile)

- The Beakman's World Old Bakery
- Baking Industry
- Production of Baked Goods
- Traditionally performed at home
- Baking became automated
- Art of Baking remains a fundamental skill
- To supply the bakery and create products

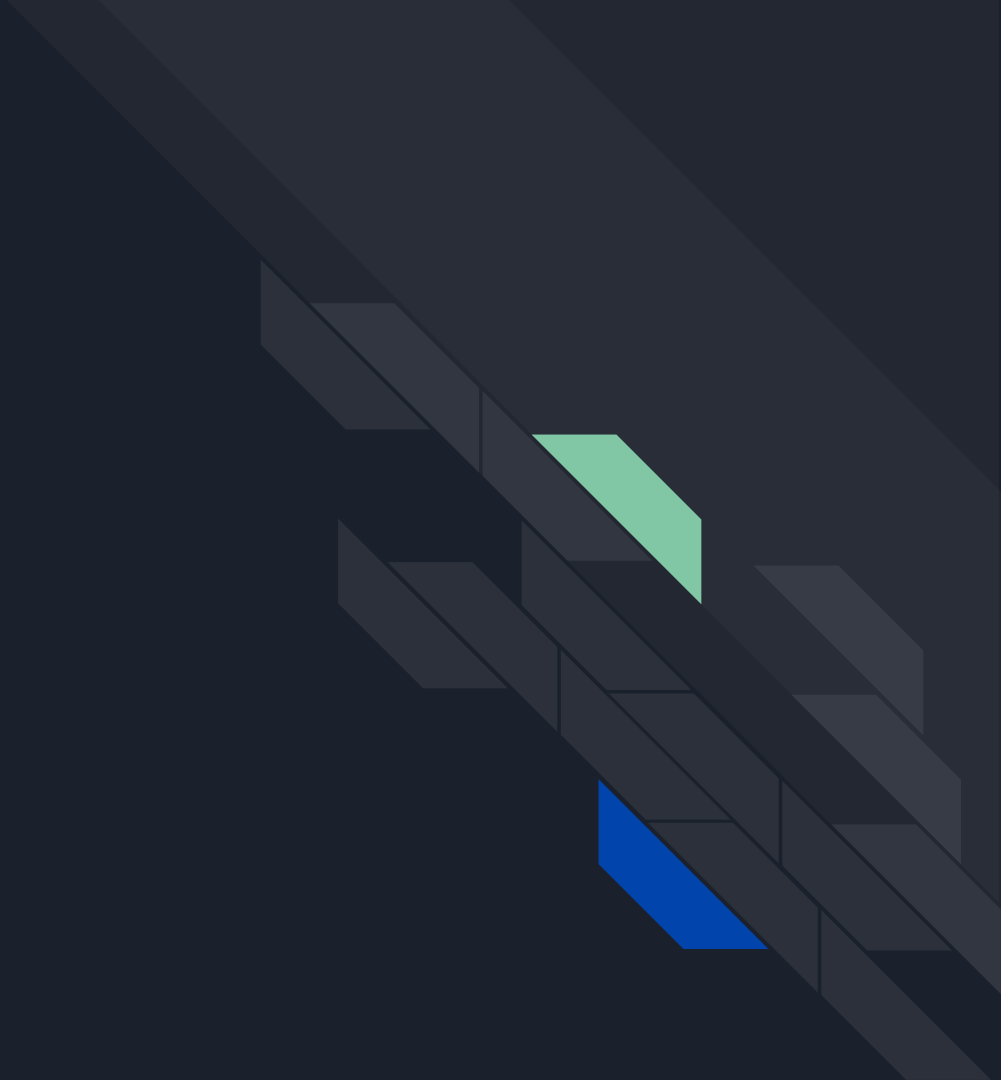



Background

(Transaction Process System [TPS])

- Used for monitoring and adding stocks or goods
 - Used to deduct stocks
 - Used to see the pending order of stock

Existing System

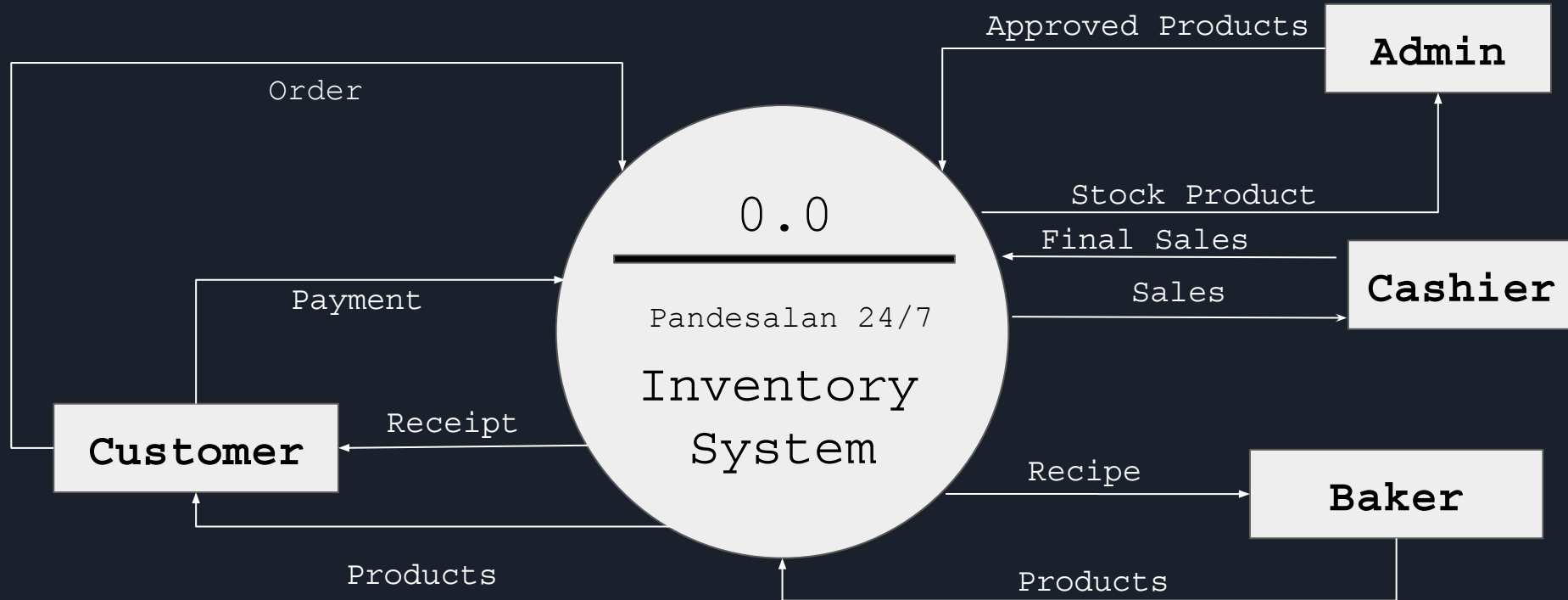




Existing System (Narratives)

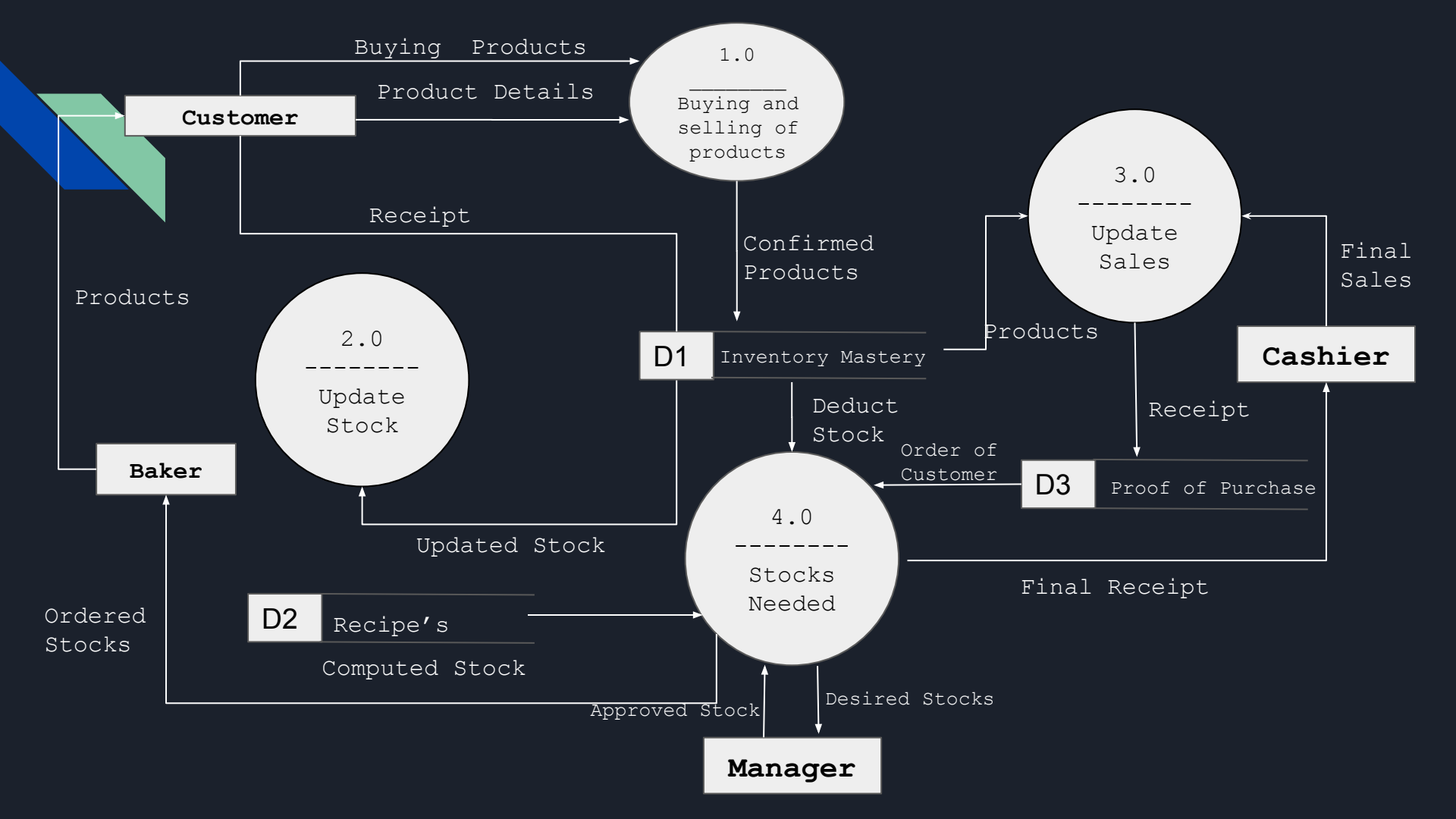
- Give employees an automated system
 - Managing
 - Storing
 - Ease Productivity
- A combination of technologies
 - Monitoring
 - Maintenance
 - Check Availability

Context Diagram



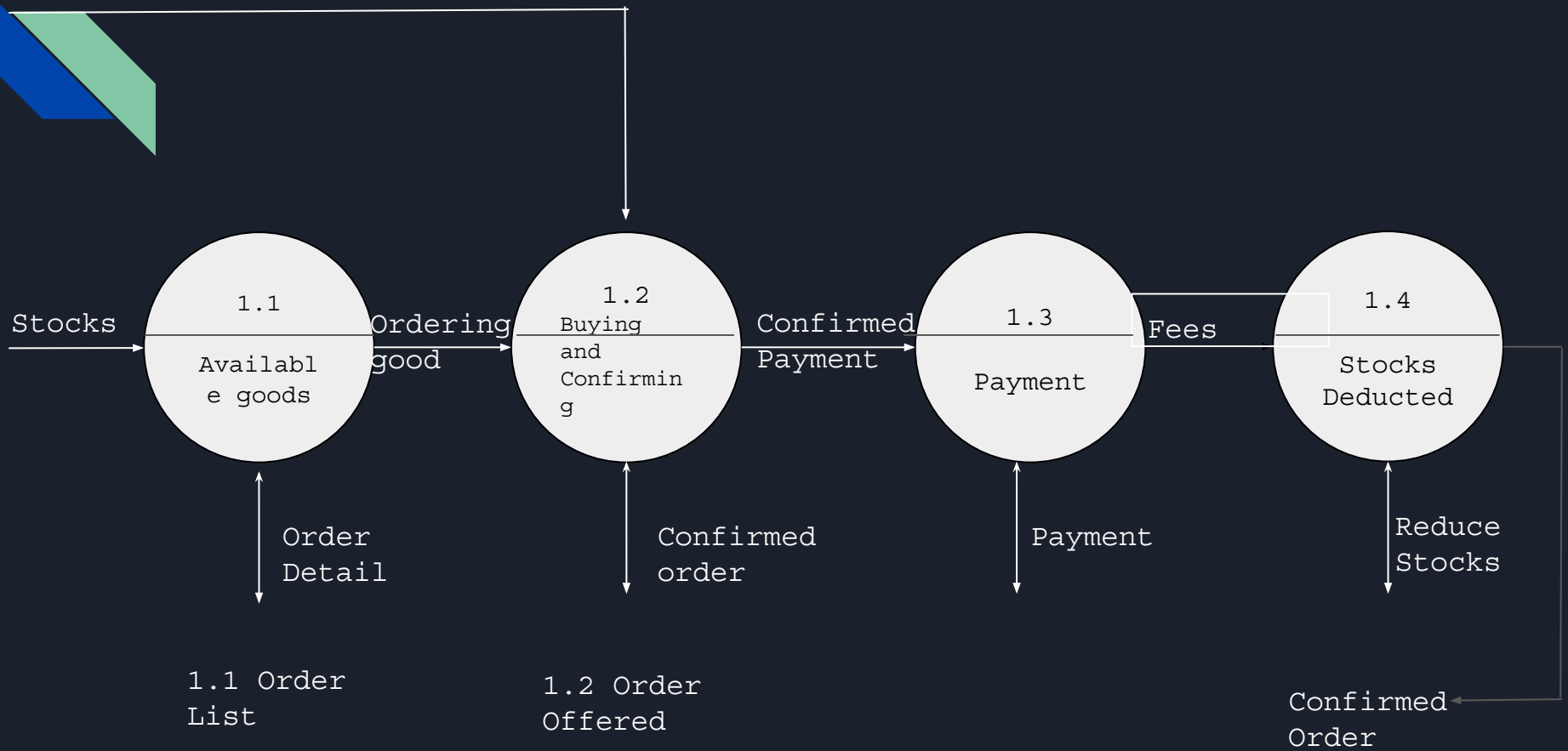
Top Level Diagram

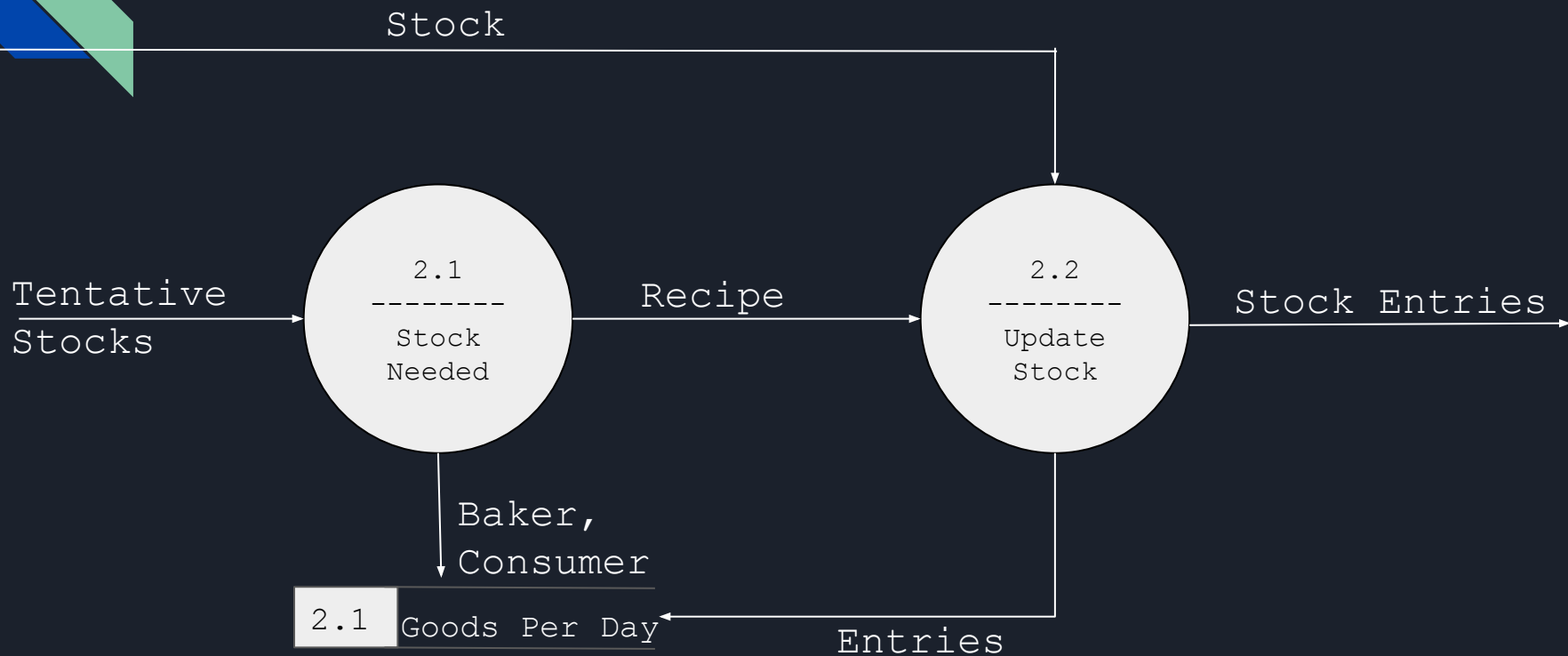
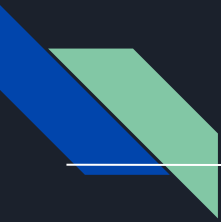


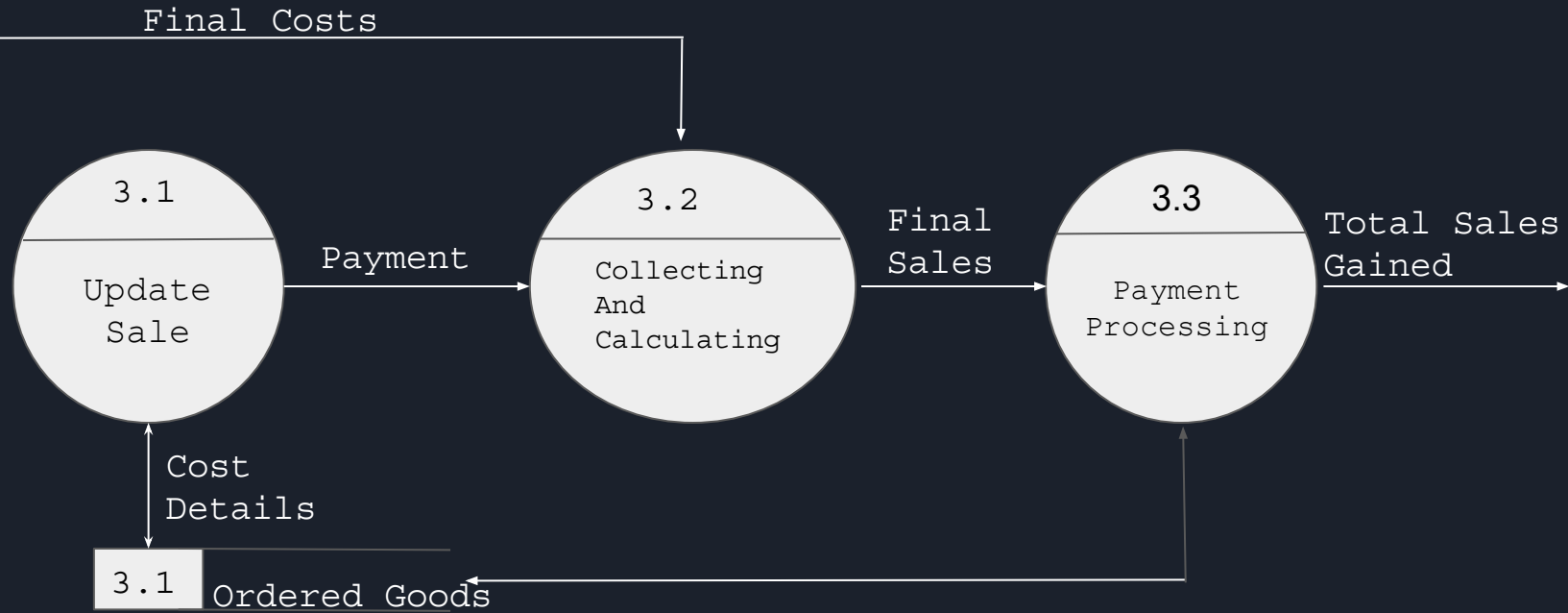


Explosions

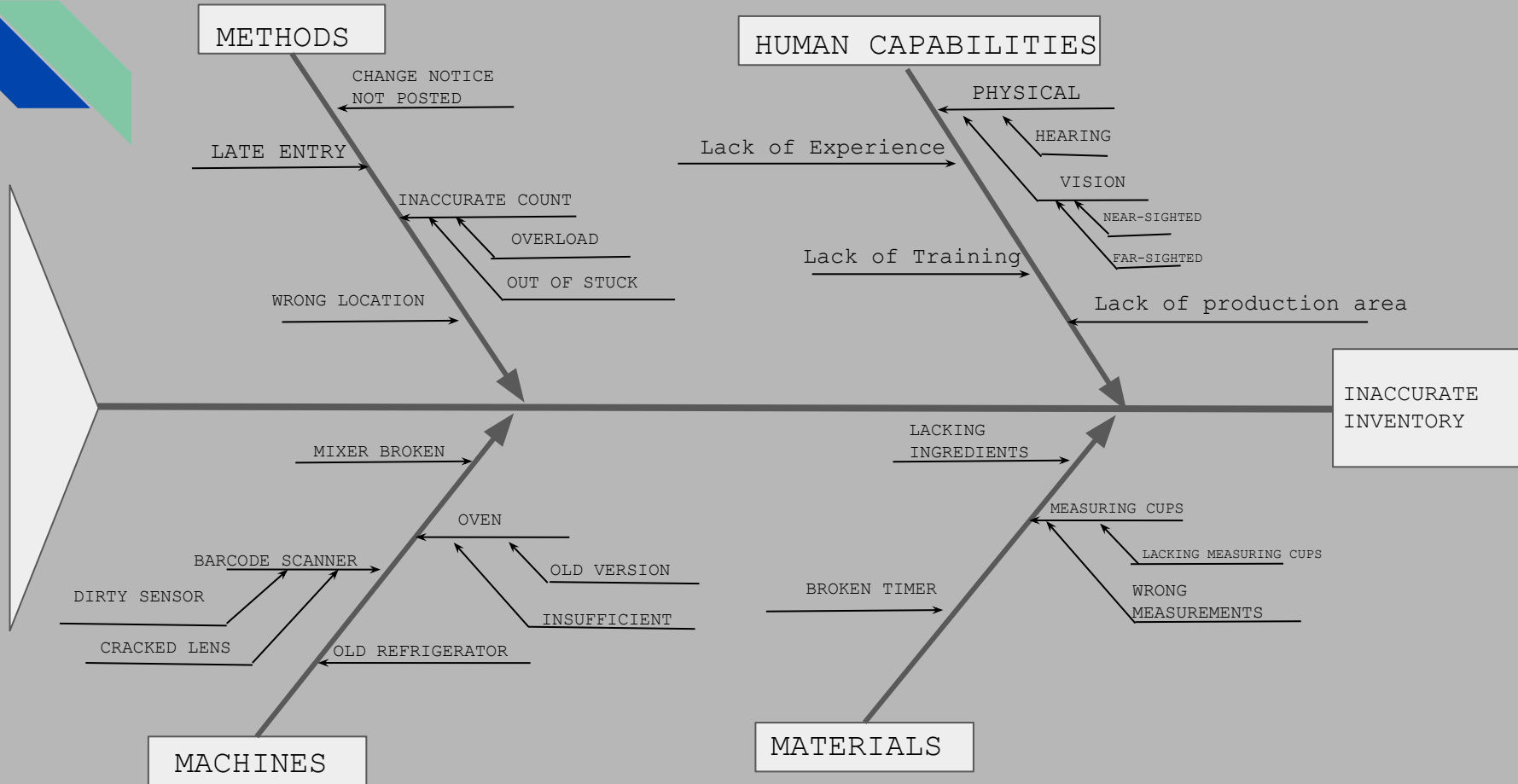




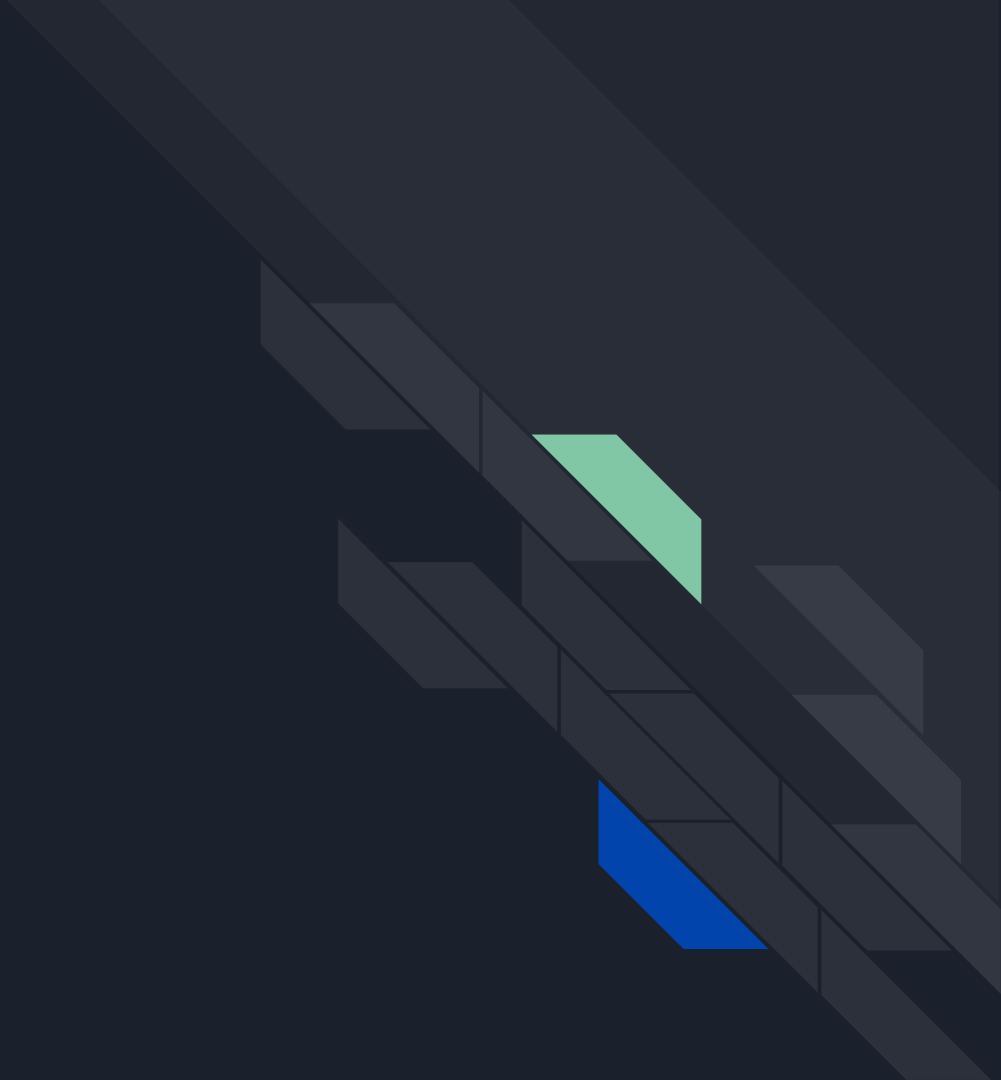




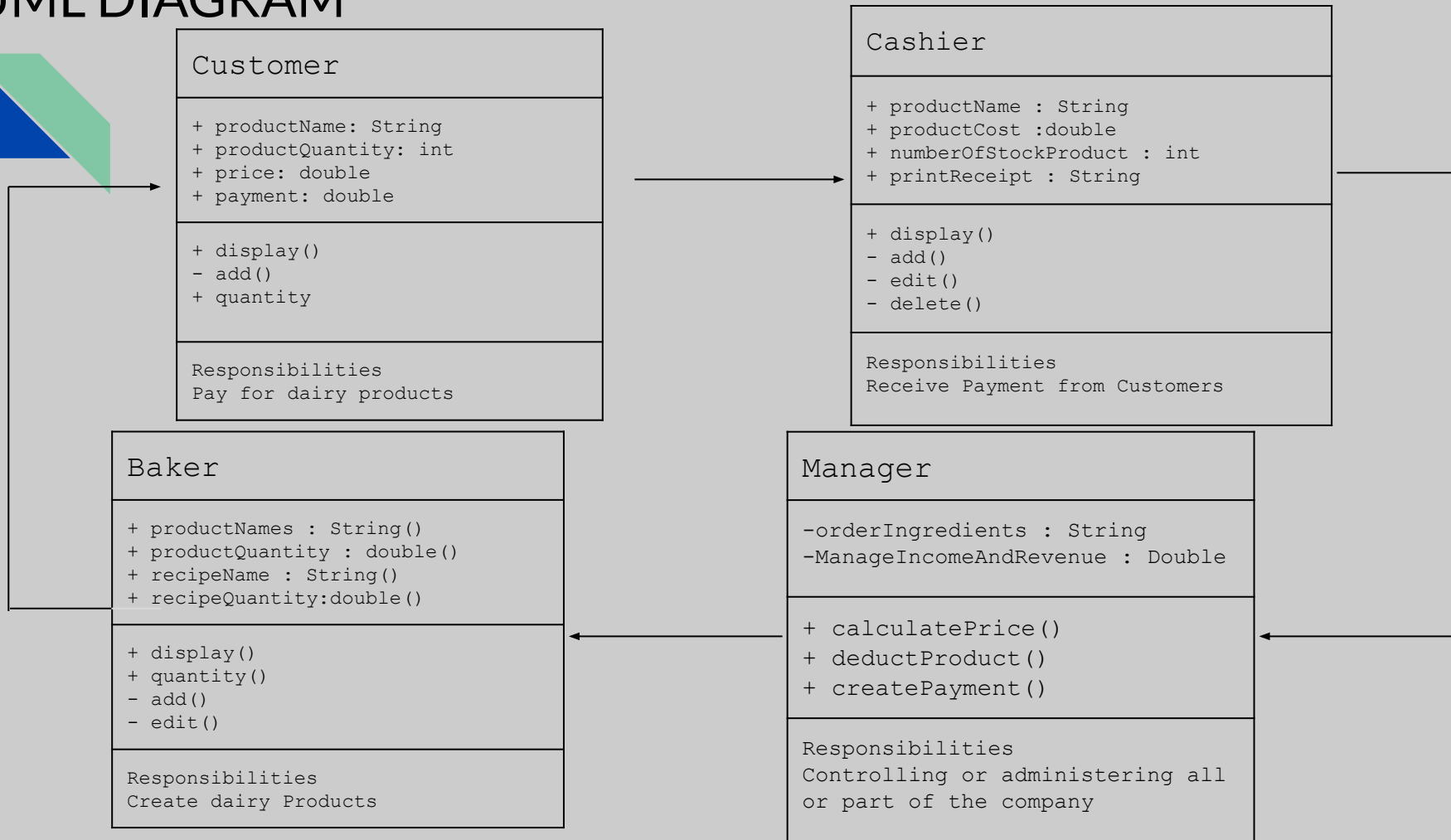
Existing System (Ishikawa Diagram)



Proposed System



UML DIAGRAM





Cost Benefit Analysis (CBA)

- Development Cost (DC)
 - Estimates Cost, Purchase new equipments, other fees
 - P 124,500.00
- Existing Operating Cost (EOC)
 - Actual annual values, investigation
 - P 325,000.00
- Proposed Operating Cost (POC)
 - Actual annual values and cost
 - P 283,000.00
- Savings
 - P 42,000.00 per year
- Payback Period (PBP)
 - 4 years, 11 months and 4 days
- Net Present Value (NPV)
 - P 1,101.46
- Return on Investment (ROI)
 - 0.88%

Conclusion and Recommendations





Findings

(Conclusion)

1. Good for a bakery shop
2. Inaccurate due to equipment and materials
3. Responsible to give daily Task
4. Manage, monitor and find the benefits of costs



Recommendations

- Improve production
 - Meet customers satisfaction
 - Easy to use and User friendly
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- Provide training
 - Test the convenience and reliability
 - Improve and maintain efficiency and readability