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UTILIZATION OF THE QUEUE ALGORITHM IN THE DEVELOPMENT OF CASHIER APPLICATIONS FOR BEVERAGE PRODUCTS

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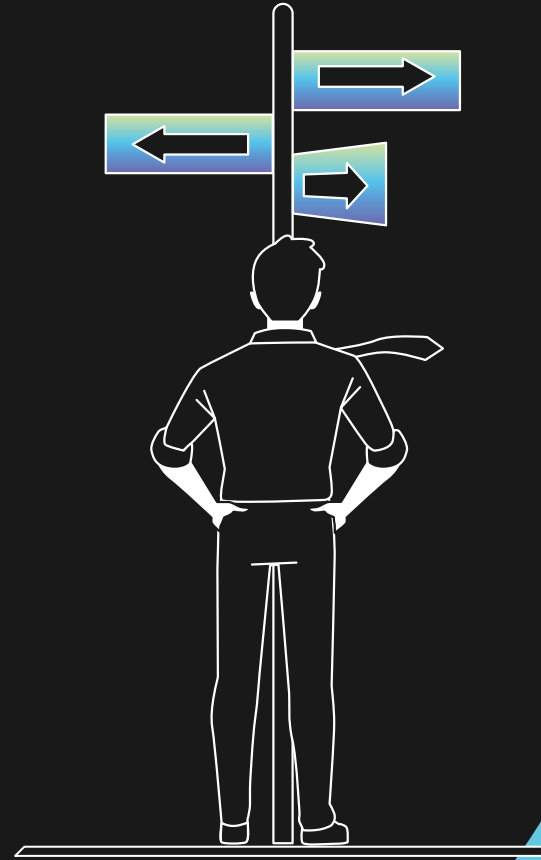
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INTRODUCTION

In an era of increasingly advanced technological developments, innovation is an important key to remain competitive, even for small businesses. However, most business actors face nearly the same challenges, namely in managing increasingly uncontrolled queues of buyers and scarcity of stock at outlets. So this application was created to arrange the order and speed up the order process with the FIFO (first in first out) method. This aims to provide good service to customers who have ordered in advance, so they don't feel disappointed and remain satisfied with the services provided.



research methods

- Study of literature
- Problem identification
- application testing
- implementation, and conclusion.

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results and Discussion

Flowchart flow :

1. **Menu list** Buyers Siska, Joni and Mila looked at the menu list in front of the outlet for order drinks according to his wishes and the amount ordered, siska ordered 3 coffie, joni 3 milo, and mila 3 macha.
2. **Select menu** After the buyer determines the drink menu he wants, adminin charge of entering the select menu ordered by the buyer.



results and Discussion

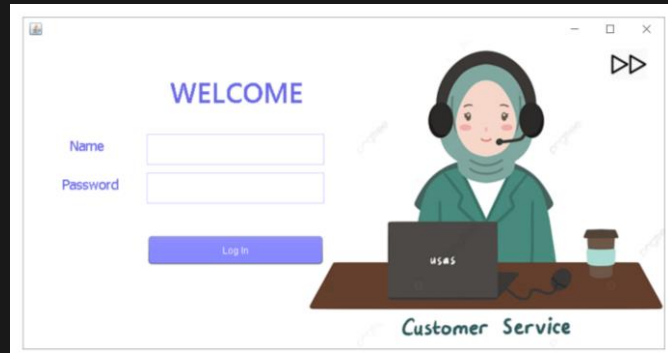
Alur flowchart:

3. **Menu contents** The admin then inputs the buyer's name, and the number of drinks supplied ordered by siska, joni, and mila.
4. **Stock Available** The system checks whether stock is available or not inputted by the admin, if stock is available then it will proceed to the incoming order process.
5. **Order Queue** Here displays all the data from the queue no., the name of the orderer, the drink ordered, quantity, entry time and order status, processing, waiting, ready.



Application DEMO

INTERFACE



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conclusion



1. Implementation of the Queue Algorithm Utilization in Settings Sales for a beverage product are going well as expected the author wants.
2. Queue algorithm used in processing order data according to the existing problems to arrange queues of orders can be resolved from the first order to completion, while the second and third buyers could not processed.
3. The stock of goods that appears when the buyer places an order decreases according to the buyer's order.

THANKS!



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