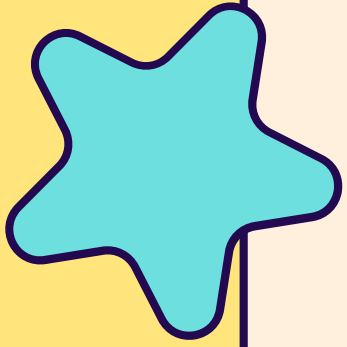




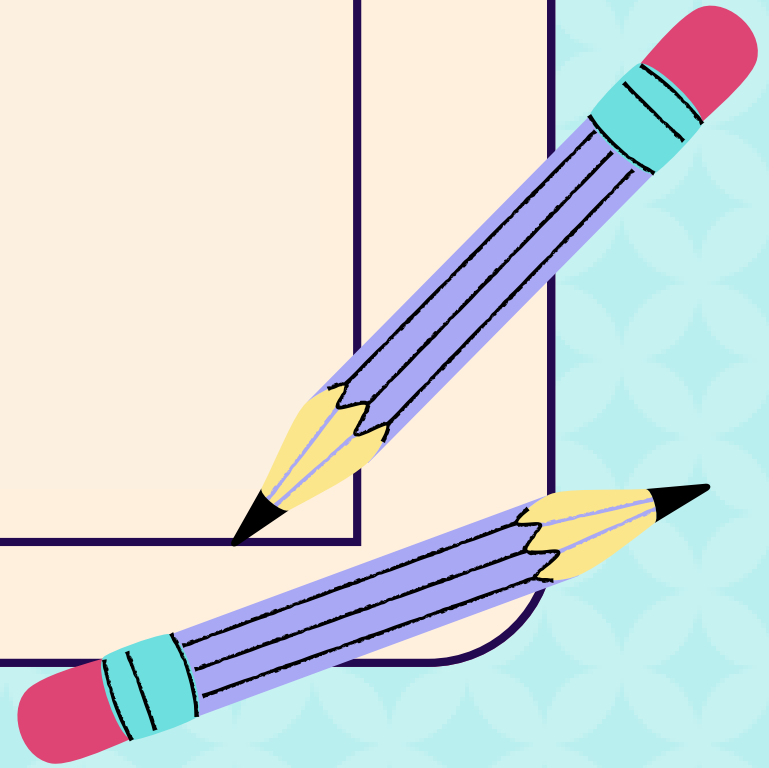
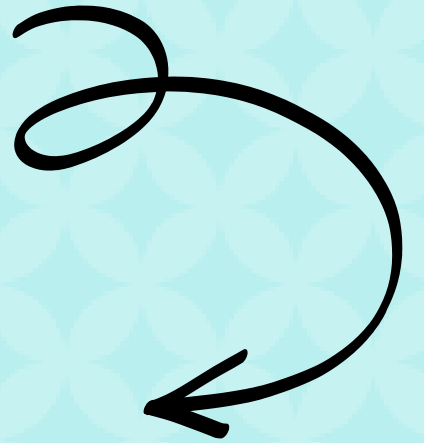
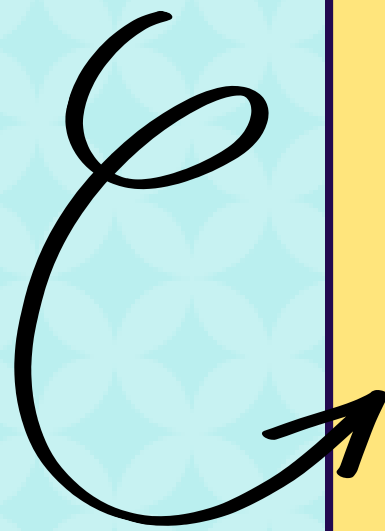
CSC248

LARANA COMPANY



INTRODUCTION

This project is about developing a java program that function like a digital helper for a food inventory system. The main function of this program is to maintain accurate records of information stored like foods item, quantity, expired date, prices, and foo This program also implement LinkedList and Queue concept in order to store many information regarding the order from customer.



PROBLEM STATEMENT



Our project aims to address the challenges faced by the "Kangar Food" restaurant in managing customer orders and tracking inventory. We're developing a system that links customer and inventory management, automating order processing and maintaining accurate records of food items, their quantities, prices, expiry dates, and weights. Additionally, a staff management system will enable efficient data management for smooth restaurant operations.

APPLICATION



STORE



customer information
including their
username, password,
birthdate, membership



UPDATE



Staff set the price
and quantity of the
food



CALCULATE



Determine the total
price of an order,
factoring in birthday
discounts and
membership discounts



SEARCH



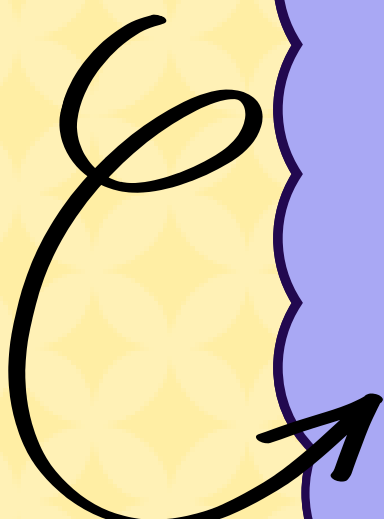
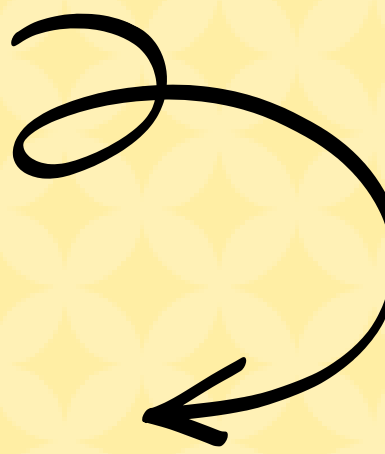
check if the account
already existed during
registration



DISPLAY



display total price
after order has been
made



LINKEDLIST



ATTRIBUTE

head, data, next

METHODS

LinkedListCustom, getHead,
setHead, insertAtFront,
insertAtBack,
insertAtPosition,
insertAtMiddle,
removeNode, isEmpty,
display, getData, getNext,
setData, setNext, toString

QUEUE

01

RULE 1

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02

RULE 2

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FOOD CLASS



ATTRIBUTES :

foodName, quantity, price,
expiryDate, netWeight

METHOD:

calculateTotalWeight,
afterSST,
calculateTotalPrice,
isMember,
isBirthday,
discountedPrice,
toString

ACCOUNT CLASS



ATTRIBUTES :

username, password,
birthdate, isMember

METHOD:

Account, getUsername, setUsername,
getPassword, setPassword, getBirthdate,
setBirthdate, isMember, setMember, verify,
register, checkStrength,
toString

STAFF CLASS



ATTRIBUTES :

username, password

METHODS :

Staff, getUsername,
getPassword, setUsername,
setPassword, setFoodPrice,
setFoodQuantity,
toString

FILEHANDLING CLASS



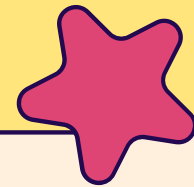
ATTRIBUTES :

reader, writer

METHODS :

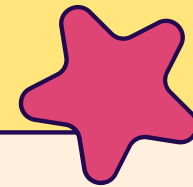
Filehandling, write,
read , open

CONCLUSIONS



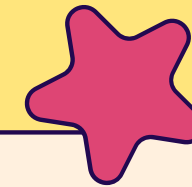
CONCLUSION 1

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CONCLUSION 2

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CONCLUSION 3

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thank you!

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