

# STIMULATING OPERATIONS OF A CHAIN PASTRY SHOP

We are Team FUELED BY RAMEN presenting you our project for the CSE213 course. Our project is all about making a system for a chain pastry shop like Mr Baker . Were using Object-Oriented Programming and JavaFXML to design and code scenes. This helps us simulate how the company works and find ways to make it better.



**MR BAKER**  
CAKES & PASTRIES

## Introduction & Objective

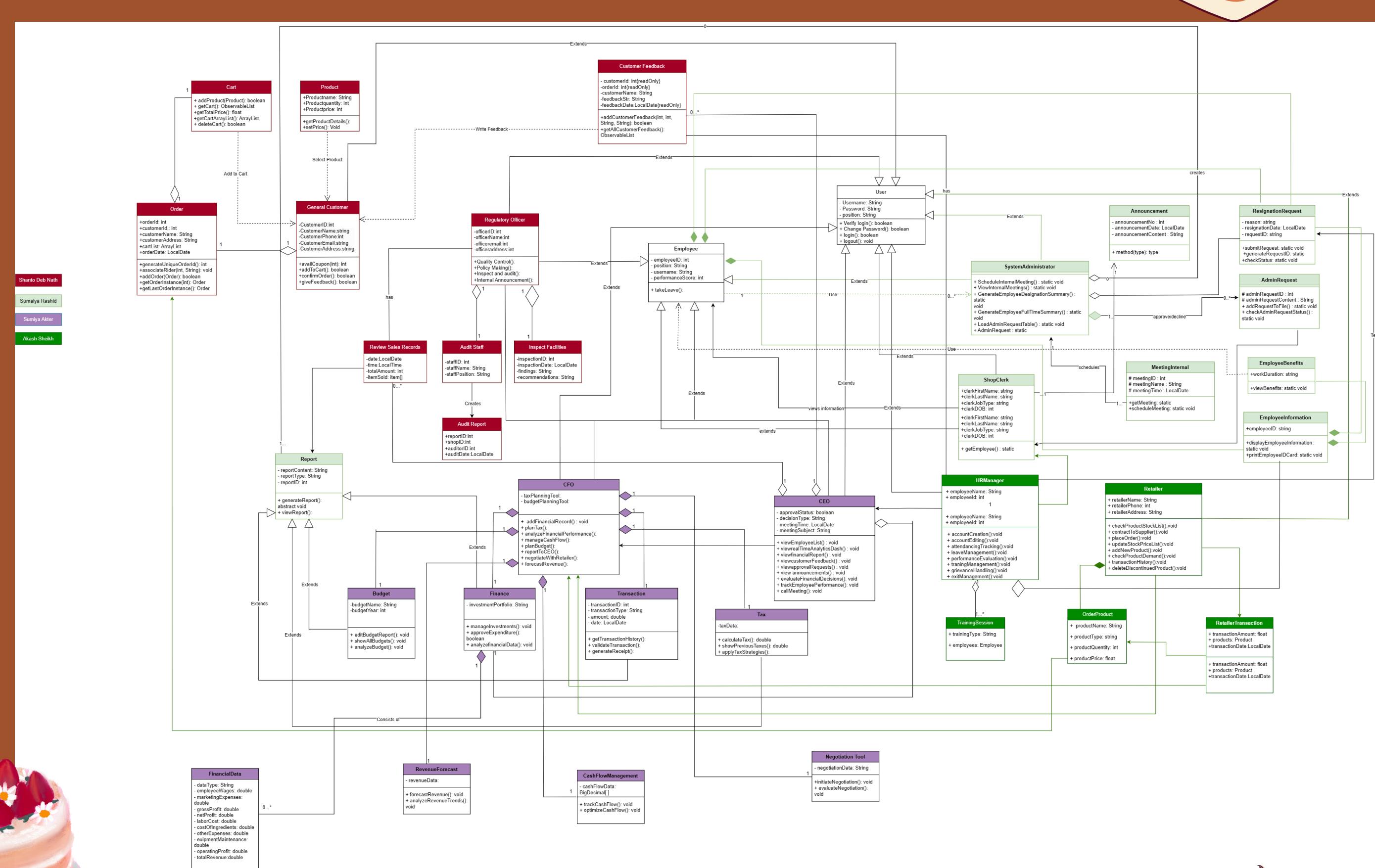
Our project's main goal was to introduce ourselves using practical object-oriented programming. Additionally, our mission included creating UML diagram and CRA Report.

## Analysis

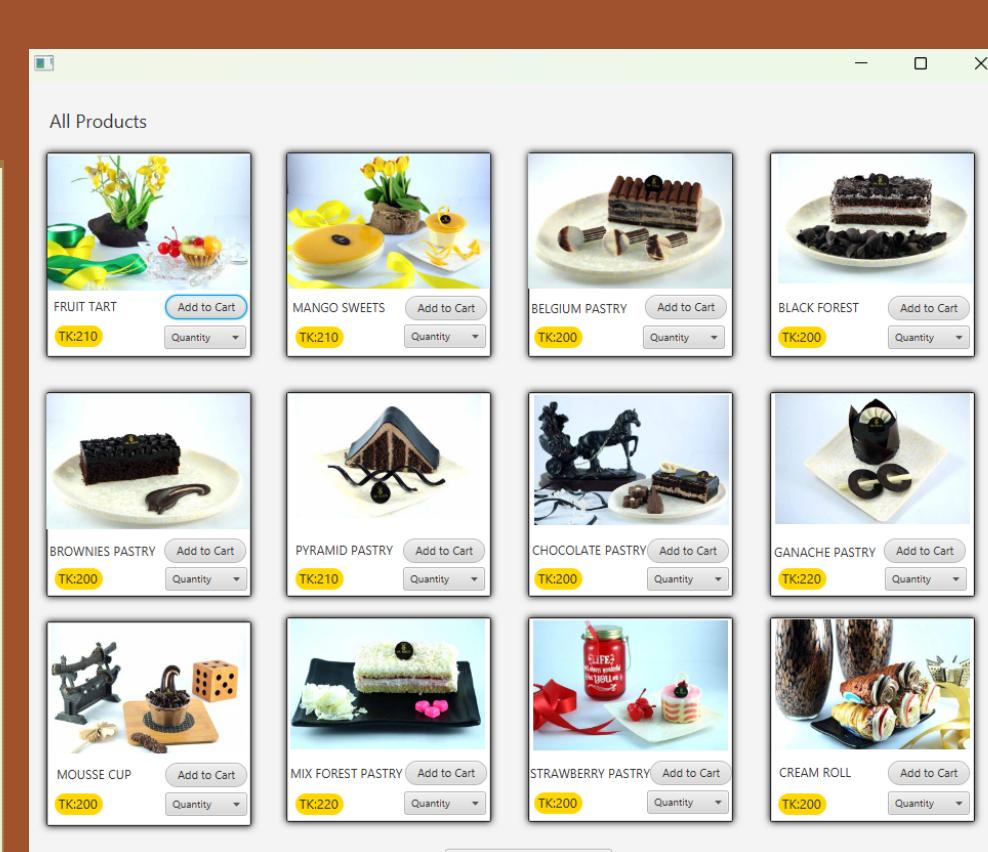
In our project, we applied object-oriented programming to understand how the company functioned. We broke it down into smaller parts, like the System Administrator, CEO, Regulatory Officer, General Customer, Shop Clerk, HR Manager, Retailer, and CFO. Each part represented an entity in the company. These components interacted with each other, just like in the real world. We are trying to design the system to handle different situations. This approach helped create a system that was easy to change and adapt, reflecting of a fitness supplement company's operations.



## UML DIAGRAM

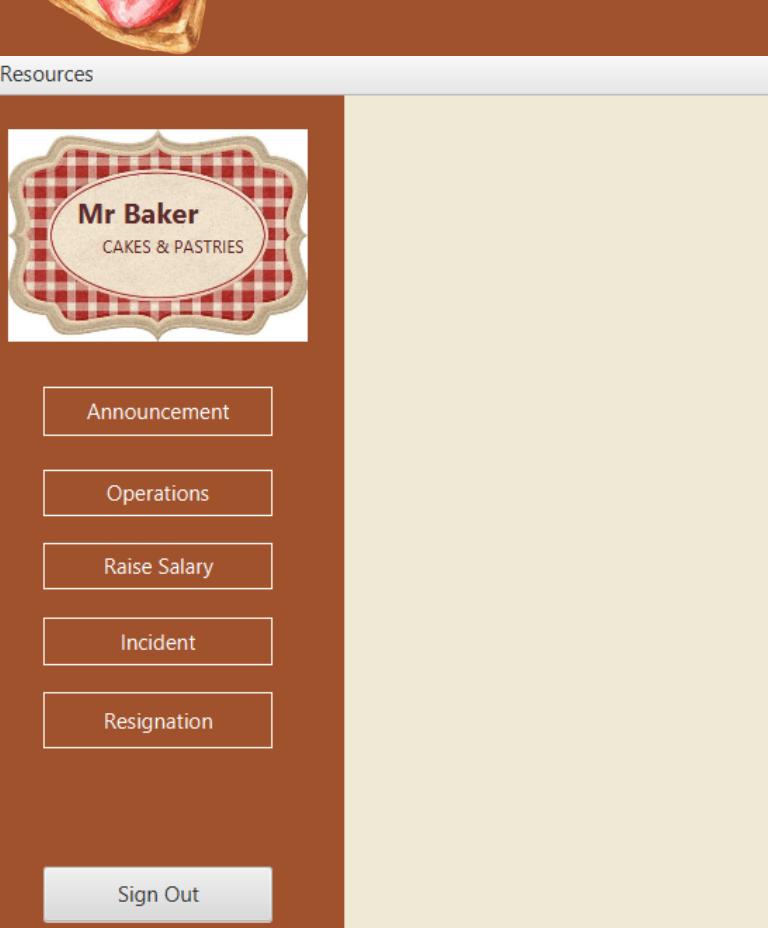
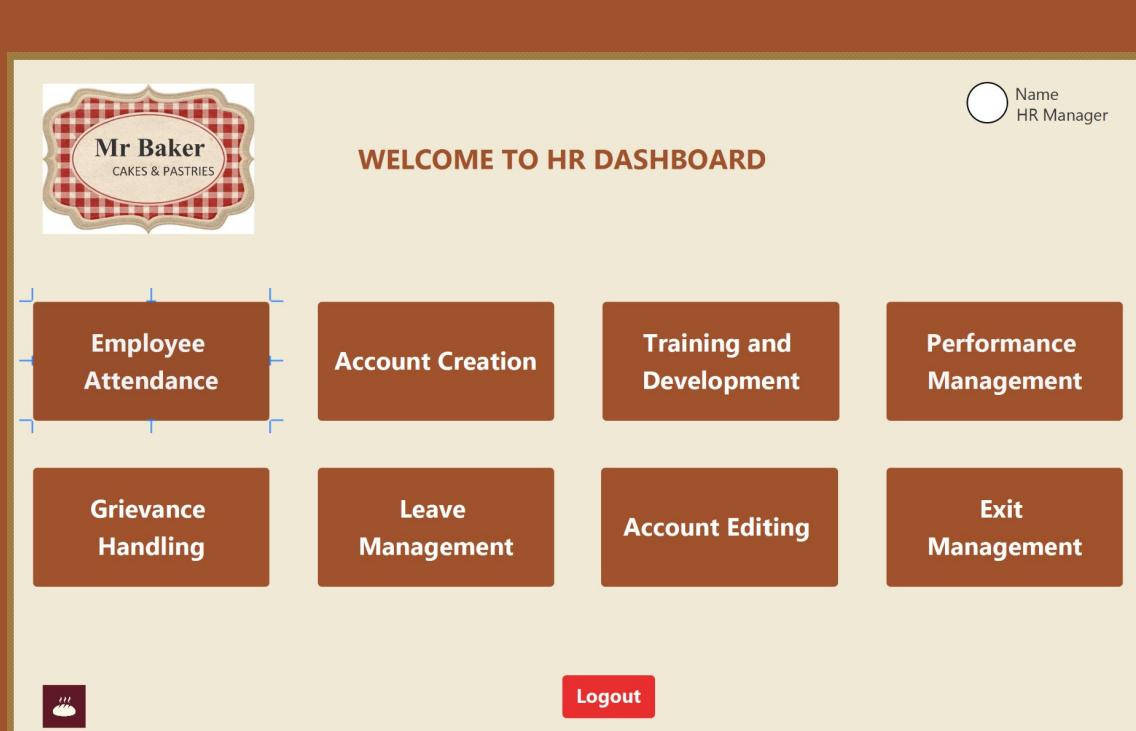


## SAMPLE SCENES



## Conclusion

In Summary, our project utilizes Object Oriented Programming to analyze and simulate the complex work of such a company. We tried to show our implementation through this project as much as we could.



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