

# **A BILLING SYSTEM FOR “1128 TEA & CAFE” SHOP**


**ABSTRACT**





# INTRODUCTION


The researchers proposed a research project entitled “Billing System for 1128 Tea & Café” owned by Mr. Jonathan Gorillo Golo, a coffee shop located at 70 Kalusugan St. Batasan Hills Quezon City. The Billing System is a specialized web-based system and hardware solution designed to manage and streamline various aspects of the billing, ordering, and payment processes within a coffee shop. It serves as the central point for handling customer orders, ensuring accurate billing, and facilitating smooth transactions. The owner of this shop often require an efficient and effective billing system to manage orders and process transactions accurately.





# METHODS


The research methodology involves a comprehensive analysis of the current billing systems used in various coffee shops, examining both their strengths and limitations. A survey and interviews with coffee shop owner will be conducted to understand the specific pain points and expectations related to billing processes. The Method that we used is a Waterfall Model (SDLC) that includes: planning, analysis, development, design, testing, implementation, and maintenance. For our system, we used Visual Code Studio (VCS) to help us develop our codes more efficient, XAMPP to test our codes locally on our own device, and MySQL for managing, storing data, and security to ensure the efficient management and protection of data.





# RESULTS

Our system provides quality product to insure to the satisfaction of the customers that purchasing the brand of the product, able to encourage them to buy the products and increase the revenue. It also provides maintaining the collecting payments, invoices, and prices from the shop, we're including the website by conducting order database from the admin, ordering page for delivery platform, and menu for choosing a flavor, add quantity, sugar level, add-ons, checkout, checkout complete, and the background information about the coffee shop.





# DISCUSSION

This research study contributes to the coffee shop industry by providing insights into the development and implementation of an advanced billing system, offering a tailored solution to the challenges faced by coffee shop owners and operators in managing their financial transactions effectively. It will explore the implications of the findings on the overall efficiency of coffee shop operations and the potential impact on customer satisfaction. Furthermore, the discussion will address any challenges encountered during the implementation of the billing system and propose recommendations for future enhancements.

