**A BILLING SYSTEM**

**FOR “1128 TEA &**

**CAFE” SHOP**

A Practical Research 2

Presented to the Faculty of

Senior High School

Bestlink College of the Philippines

In Partial Fulfillment

of the Requirements for the Strand

Information and Communications Technology

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May 2022

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**DEDICATION**

We dedicated this research work to our families. For the constant love, support, and understanding that propelled us on our quest for knowledge. Their support and faith in our efforts have served as our compass and inspiration, respectively. We’ve also dedicated our research study to ourseleves. For the unwavering drive to grow, for resiliency in the face of difficulty, and for the will to push the boundaries of what we can achieve. The effort we've put into our own academic and personal growth is demonstrated by this research. And to our client. Thank you for putting your faith in us to convert knowledge into workable solutions. Your difficulties have motivated us, and your contentment has been our greatest prize. This study is devoted to the constructive influence that we have all worked to establish. Additionally, we specifically committed our research study to God's divine presence. We sensed your guiding touch throughout our times of introspection and seclusion, offering comfort, strength, and insight. This study is a modest gift, an expression of our appreciation for the heavenly favor that has illuminated our way and given us the fortitude to face obstacles head-on. At last, we would like to express our deepest appreciation to everyone who has contributed to this research project. The process and the results have been forever influenced by your impact, and we are incredibly appreciative that we were able to share this work with you.

**ABSTRACT**

Title: **A BILLING SYSTEM FOR 1128 TEA & CAFÉ SHOP**

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**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. The study explores various aspects of billing systems, including technology integration, user interface design, and data management, with the aim of proposing improvements for enhanced performance. 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**

This Billing 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.

**Discussions**

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.

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