

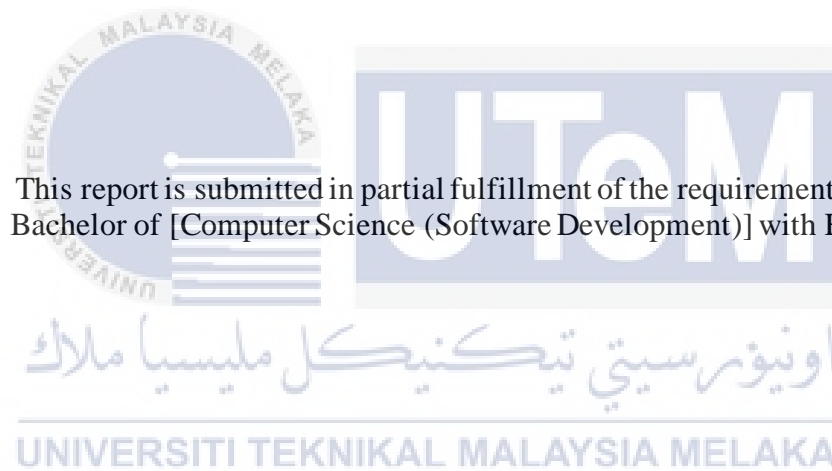
PAY4U POINT OF SALE (POS) SYSTEM



UNIVERSITI TEKNIKAL MALAYSIA MELAKA

PAY4U POINT OF SALE (POS) SYSTEM

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2021

DECLARATION

I hereby declare that this project report entitled
PAY4U POINT OF SALE (POS) SYSTEM
is written by me and is my own effort and that no part has been plagiarized
without citations.

STUDENT :



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Date : 19/6/2021

I hereby declare that I have read this project report and found
this project report is sufficient in term of the scope and quality for the award of
Bachelor of [Computer Science (Software Development)] with Honours.

SUPERVISOR :

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Date : 30/8/2021

DEDICATION

I dedicated this project to my parents and friends that always being by my side through my ups and downs. Thanks for the affection and encouragement that they give to me.

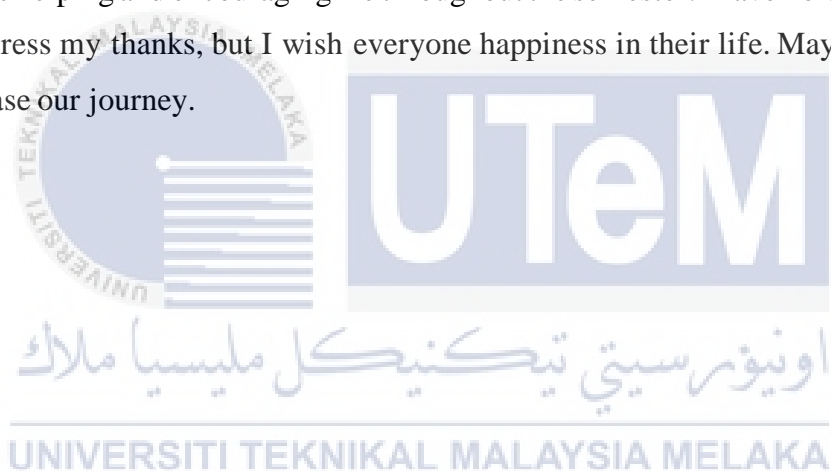


ACKNOWLEDGEMENTS

All praises for Almighty Allah, for providing me time, good health, and strength to complete this final year project.

High appreciation is given to my supervisor Puan Maslita Binti Abd Aziz for her invaluable guidance, encouragement, and support towards me, and also for her trust in my ability to develop this system.

At last, but not least, I am thankful to my parents and friends who have been always helping and encouraging me throughout the semester. I have no valuable words to express my thanks, but I wish everyone happiness in their life. May Allah blesses and ease our journey.



ABSTRACT

The purpose of Pay4U Point of Sale (POS) System is to help the restaurant to enhance their manual operation in processing and monitoring their daily sales transaction. This report will include the analysis and design of the application in detail. Normally, the process of calculating the total revenue is time-consuming. A restaurant owner or the staff needs to calculate the revenue by using a calculator, it is time-consuming and a high probability of miscalculation can happen. Therefore, the objective of the Pay4U Point of Sale (POS) System is to ensure the restaurant is well managed in order to ensure the business activities run smoothly. It will make it easier for the management of the restaurant. The last objective is the system will help to make it easier for staff to manage the ordering of food made by the customer.



ABSTRAK

Tujuan Pay4U Point of Sale Sistem (POS) adalah sistem yang membantu restoran meningkatkan operasi manual mereka dalam memproses dan memantau transaksi penjualan harian mereka. Laporan ini akan merangkumi analisis dan reka bentuk aplikasi secara terperinci. Kebiasaannya, proses mengira jumlah pendapatan mengambil masa yang lama. Pemilik restoran atau kakitangan perlu mengira pendapatan dengan menggunakan kalkulator, hal ini menyebabkan ia mengambil masa dan kemungkinan salah perhitungan dapat terjadi. Oleh itu, objektif Sistem Point of Sale (POS) Pay4U adalah untuk memastikan restoran diurus dengan baik agar aktiviti perniagaan dapat berjalan dengan lancar. Ini akan memudahkan pengurusan restoran. Objektif terakhir adalah sistem akan membantu memudahkan kakitangan menguruskan pesanan makanan yang dibuat oleh pelanggan.

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LIST OF ABBREVIATIONS

FYP - **Final Year Project**



LIST OF ATTACHMENTS

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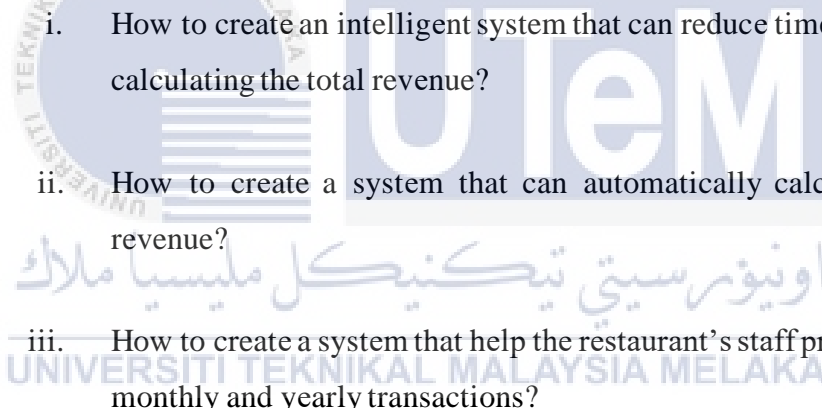


Chapter 1: INTRODUCTION

1.1 INTRODUCTION

People wish to manage their business in a more economical way and willing to provide a better service to their customer with fewer budget. Therefore, people usually used pen and paper to record their matter in business. Since this method is not an efficient and effective, this system is being designed to help the restaurant owner to improve their services such as simplify the process of report generating. The system will help to make it easier for staff to manage the ordering of food made by customer.

1.2 PROBLEM STATEMENT

- 
- i. How to create an intelligent system that can reduce time-consuming in calculating the total revenue?
 - ii. How to create a system that can automatically calculate the total revenue?
 - iii. How to create a system that help the restaurant's staff processing daily, monthly and yearly transactions?

1.3 OBJECTIVE

The following are the objectives for this system:

- i. To reduce time and cost to manage restaurant.
- ii. To provide function to manage the restaurant more efficiently.
- iii. To automatically generate daily, monthly and yearly report on sales.

1.4 SCOPE

1.4.1 Project Scope

The scope of this project is to design an effective point of sale system by using PHP, HTML, and CSS to give benefit to the user that is interested in using it to run their business smoothly.

1.4.2 Scope of user

There are two types of target user in this project. The users are:

i. Admin

- Login and Registration – Allow admin to access the system by using username and password. Next, it manages all registration of new staff by adding their information's in order to allow them to access the system.
- Manage food management – It manages food management by adding, deleting, and updating the menu.
- Manage staff profile – It manages staff profiles by adding new staff and remove the staff from the system.
- Report Generate – It generates a daily, monthly, and yearly report of the total sales of the restaurant.
- Logout – To terminate a connection with the Pay4U Point of Sale (POS) System.

ii. Staff

- Login - Allow staff to access the system by using username and password.

- Manage food ordering – It manages the process of ordering food made by the customer.
- Manage Profile – It manages staff’s profiles by the view and editing their profile.
- Transaction – It manages all the transaction in the system that includes the list of dishes and the total amount of their orders.
- Table Management – It manages all the table management by choosing an available table for the customer.
- Logout - To terminate a connection with the Pay4U Point of Sale (POS) System.

1.4.3 Scope of Functionality

The module to be developed:

i. Authentication Module

- Allow the admin, staff and kitchen to login to the system.

ii. Food Ordering Module

- Allow the staff to insert the customer order.

iii. Food Management Module

- Allow admin and staff to manage the food by adding, viewing, update and deleting of the menu list.

iv. Manage Profile Module

- Allow staff to manage their profile information.

- v. Table Management Module
 - Allow staff to manage table for customer to dine-in.
- vi. Transaction Module
 - Allow the customer to pay cash.
- vii. Report Generate
 - Allow the admin to generate revenue report.

1.5 PROJECT SIGNIFICANT

The development of this system is to make users more convenient because they can manage the customers' orders and food management. It may become easier for the staff to take an order from the customer by using this system because the staff no needs to take the orders manually. The restaurant owner also can know the total sales of the restaurant because the system automatically calculates it.

1.6 EXPECTED OUTPUT

Pay4U POS System helps the restaurant owner manage their sale transactions in order to give benefit to their customers and their restaurant. Able to create a detailed report using Pay4U POS System and prevent usual errors that the restaurant does every time they manually generate a report. Pay4U POS System ensures faster transactions within the customers will be implied.

1.7 CONCLUSION

Pay4U Point of Sale (POS) System is proposed to overcome all the above-stated issues. The system shall be developed using the relevant methodology. The system's significant thing is to help staff to manage the order that has been made by the customer. By using technology, the process will be easier for the users.

CHAPTER 2: LITERATURE REVIEW AND PROJECT METHODOLOGY

2.1 INTRODUCTION

This chapter discusses the literature review which refers to a publication that is related to the Pay4U Point of Sale (POS) System. The literature review is important to achieve a successful system because it helps to identify a problem that occurred in the existing system. Besides that, it also helps to identify the best approach to achieve the project goal based on the study. This chapter focuses on identifying and comparing issues, variables, theories, methods, and gaps in order to assist in developing the Pay4U Point of Sale (POS) System.

Point of Sale (POS) System is a sales-oriented activity to assist restaurant owner and the staff to manage transaction where consists of food management, reporting, purchasing and print invoices. This (POS) System is a system that accepts payment from customers to the system. Currently, the development of systems and the role of systems is significant for society's progress in all fields. This system provides many conveniences for people in manage their daily activities to manage their business. Some of the advantages of using a point of sales application include improving service quality with POS. POS Systems also can help a company to manage daily sales and record every transaction.

2.2 FACTS AND FINDINGS

2.2.1 Domain

The previous system is a system that uses out of the current system before this project is developed and researched. This will make the project more successful and useful.

Point of sale systems are systems that enable the business transaction between the customer and the restaurant to complete. Every point-of-sale system has different