

ORDER & PAY COFFEE SYSTEM



UNIVERSITI TEKNIKAL MALAYSIA MELAKA

BORANG PENGESAHAN STATUS TESIS

JUDUL: ORDER & PAY COFFEE SYSTEM

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ORDER & PAY COFFEE SYSTEM

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This report is submitted in partial fulfillment of the requirements for the Bachelor of
Computer Science (Database Management)

FACULTY OF INFORMATION AND COMMUNICATION TECHNOLOGY

UNIVERSITI TEKNIKAL MALAYSIA MELAKA

2016

DECLARATION

I hereby declare that this project report entitled

ORDER & PAY COFFEE SYSTEM

is written by me and is my own effort and that no part has been plagiarized
without citations.



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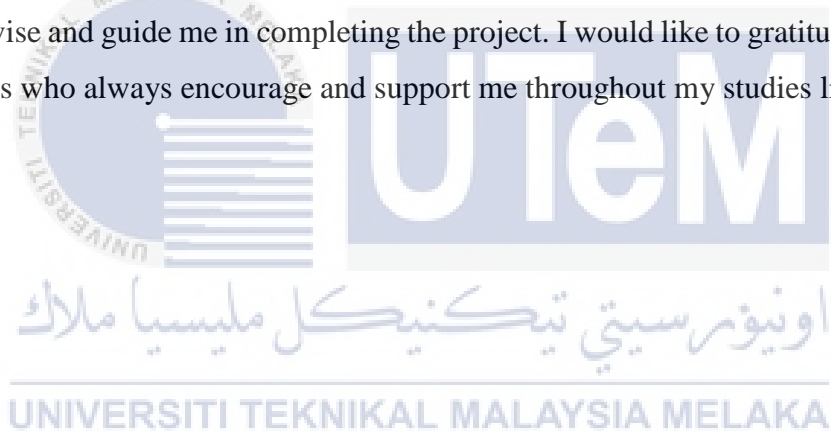
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DEDICATION

I would like to dedicate my final year project to my parents and my fellow friends who always support me to complete this project. Besides, I would like to send my appreciation to Mrs Nor Mas Aina Binti MD. Bohari as my supervisor who always supervise and guide me in completing the project. I would like to gratitude my beloved parents who always encourage and support me throughout my studies life.



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Moreover, I would like to deliver my sincere thanks to my parents who always give me encouragement during my studies life. Their continuous encouragement very important to me for completing my project.

Besides, I would like to thanks Second Floor Coffee House owner who give me the cooperation during the interview for gathering the information for develop Order & Pay Coffee system. After complete the implementation of the system, the owner also willing to be the test to help validate the system.

Lastly, I would like to express my gratitude to anyone who had dedicate to my final year project. Without their help and guide, it will be tough for me to complete this project.

ABSTRACT

Order & Pay Coffee system is a dual-base information system which involved the web based system and mobile application that provide the service on coffee pre-ordering and coffee shop management for customer and staff respectively. Coffee shop provide a place for people to relax their mind. However long queue for ordering during the peak hour had become a common problem which faced by most of the coffee shop. Besides, paper based management that used by most of the coffee shop had made the operation of coffee shop become difficult as unable to calculating the current ingredient and unable to alert the ingredients which under running out status. Moreover, graphical reports of every dimensions is difficult to be generate by using the paper based management. Therefore, Order & Pay Coffee system is develop in order to improve the management of coffee shop. Order & Pay Coffee system allow the customer to pre-order the food and drinks and just grab the ordered when reach the coffee shop. Besides, the system will alert the manager about those ingredients which at running out and generate the sales report in graphical way. Order & Pay Coffee system is develop by using MySQL and WampServer 2.5. The methodology being used is database lifecycle, which the development of the database is a cycle start from the analysis of the business environment until the testing of the system. Furthermore, functional and non-functional requirements are captured by interview the target user in order to design a proper database which include conceptual design, logical design and physical design. After the implementation, the system also being tested by various testing classes including black box and white box testing to validate and verify the system. In a nutshell, Order & Pay Coffee system had improve the management of coffee shop into more systematic and able to solve the problems which faced by the coffee shops.

ABSTRAK

Sistem Tempahan & Bayaran Kopi merupakan sistem maklumat dwi-asas yang melibatkan sistem berasaskan web dan aplikasi mudah alih yang menyediakan perkhidmatan pra-tempahan kopi dan pengurusan kedai kopi untuk pelanggan dan kakitangan masing-masing. Kedai kopi menyediakan tempat kepada pelanggan untuk menenangkan fikiran. Walau bagaimanapun, barisan yang panjang dan lama untuk tempahan semasa waktu puncak telah menjadi masalah biasa yang dihadapi oleh kebanyakan kedai kopi. Selain itu, pengurusan berasaskan kertas yang digunakan oleh kebanyakan kedai kopi telah menyebabkan operasi kedai kopi menjadi sukar kerana tidak dapat mengira stok bahan semasa dan tidak dapat memberi amaran kepada stok bahan-bahan yang di bawah status kehabisan. Selain itu, laporan grafik bagi setiap dimensi juga sukar untuk dijana jika menggunakan pengurusan berasaskan kertas. Oleh itu, Sistem Tempahan & Bayaran Kopi dikembangkan untuk meningkatkan pengurusan kedai kopi. Sistem membolehkan pelanggan membuat pra-tempahan pada makanan dan minuman dan mengambilnya apabila sampai di kedai kopi. Selain itu, sistem juga akan memberi amaran kepada pengurus tentang stok bahan-bahan yang di bawah status kehabisan dan menjana laporan jualan dengan cara grafik. Sistem Tempahan & Bayaran Kopi dibangunkan dengan menggunakan perisian MySQL dan WampServer 2.5. Kaedah yang digunakan untuk pembangunan sistem ini adalah kitaran hayat pangkalan data yang membangunkan pangkalan data secara kitaran daripada analisis persekitaran perniagaan hingga ujian sistem. Tambahan pula, keperluan fungsian dan bukan fungsian akan didapati melalui temuduga dengan sasaran pengguna untuk mereka bentuk pangkalan data yang betul termasuk reka bentuk konsep, reka bentuk logik dan reka bentuk fizikal. Selepas pembangunan sistem, sistem ini juga diuji dengan pelbagai kelas ujian termasuk ujian kotak hitam dan ujian kotak putih untuk mengesahkan sistem ini. Secara ringkas, Sistem Tempahan & Bayaran Kopi ini dapat memperbaiki pengurusan kedai kopi dengan lebih sistematik dan dapat menyelesaikan masalah-masalah yang dihadapi oleh kedai-kedai kopi.

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CHAPTER 1

INTRODUCTION



1.1. Project Background

Coffee, come from the Dutch word *koffie* was discovered in Ethiopia in 11th Century and widely spread to the Arabian Peninsula during mid-14th Century. After the coffee beans had arrived to European countries, the first coffeehouse had opened in Venice in 1629. The coffeehouses soon became popular among the European countries. As the demand of coffee getting increase, coffee become one of the commercial market among the European powers in 18th Century. European powers such as Britain and France had established the plantation of coffee in their own colonies. Malaysia, as one of the Empire Britain's colony was became the coffee producer due to Malaysia's climate and fertilize soil had provided the ideal condition for coffee plantation.