

**Universiti Teknologi MARA**

**A Real Time Stock Management  
Mobile Apps with Alert Notification  
Using QR Code**

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**Thesis submitted in fulfillment of the requirements  
for Bachelor of Computer Science (Hons.)  
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Mathematical Sciences**

**JANUARY 2019**

## **ACKNOWLEDGEMENT**

First of all, this project in the partial fulfilment of the requirement for the degree of Bachelor in Computer Science (Hons) Netcentric Computing. The satisfaction and success of complete of all the task would incomplete without heartfelt to thanks Allah SWT the all mighty to complete this project and thanks to people whose content guidance, support and encouragement made this work successful especially to my Madam Rosanita Adnan my very helpful supervisor dedicate and support my ideas. Also, thanks to Dr Nor Shahniza binti Kamal Bashah my advisor that for the explanation and guidelines to me especially during the preparation period and also presentation of my project.

Also thanks goes to Universiti Teknologi MARA (UiTM) Shah Alam such a worthy syllabus and give chances to us to elaborate our idea by making this project. My next batch of thanks goes to the Faculty of Computer Science & Mathematical without whose help my project would have been impossible. The list include to my fellow friends, despite being highly occupiees in computing their personal final year projects, the thought to being liberally are greatly appreciated. My special thanks go to my classmates for their support and sharing in items of hardship and obstacles throughout the journey the ideas until I finishing the completing this research.

I also would like to convey my deep-hearted appreciation to beloved parents and my family members, especially my dearest mother her incomparable love, continuous moral support, counselling and guidance in ensuring that as learning individual to always do my best and to reap success in spite of all the shortcomings and challenges. This project has been a wonderful experience where I have learnt and experienced by many beneficial things.

Thank you

## **ABSTRACT**

The inventory management system is important among the organization businesses is an organization that used the technology system in their daily operations. Every day, the sellers need to check the stocks manually, also they need to record the information new buyer and frequently buyers without keeping their data in a database. Therefore, to solve this problem by developed the apps that can manage stock in and out from inventories, in which the seller storing information in real-time. Other than that, the apps can generate an invoice to record the detail purchasing. Other than that, a good inventory management system is the one that has an alert notification which can help to notify the sellers of that the invoice already generated. There are several phases involved in this project, which are an overview, information gathering, system design, system development, testing, and documentation. Thus, a good stock management system has produced the system by fulfilling the seller's requirement so that it can give benefit to them in the future.

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# **CHAPTER ONE**

## **INTRODUCTION**

Nowadays, many organization management business has moved from manual to the computerized system. It is because most of the organization want to manage and organize information details in a powerful way to be more efficient and reliable. Therefore, to reduce their burden mainly for ordering and reporting details it based on managing data by using the more secure system. The features of information apps help to improve the quality of services by an organization.

The purpose of this project is to design and develop a real-time stock management mobile application with an alert notification software in which able to store the information regarding the stocks in the database. Therefore, the movement of the inventory and ordering system can be managed effectively and organized. Currently, most of the organization do the process of inserting information data of the inventory and customer details by manually by using Excel or word.

This mobile app based application comprises with a set of integrated tools, optimized to meet efficient handling of ordering and stock, include automating processes such as registering new sellers, record customer details, generate an invoice, also managing ordering and inventories.

This chapter will explain more about the project background, with the flow of the current system. It followed by a problem statement, objectives of the project, scope of the project and the significance of this research.