

**REQUIREMENT MODEL FOR SMALL-SCALE FARMER SUPPLY CHAIN
SYSTEM (SSFSCS)**



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UNIVERSITI UTARA MALAYSIA
2006



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**REQUIREMENT MODEL FOR SMALL-SCALE FARMER SUPPLY CHAIN
SYSTEM (SSFSCS)**

**A dissertation to the faculty of Information Technology partial fulfillment of the
requirement for the degree Master of Science (Information Technology),
Universiti Utara Malaysia**

**By
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ABSTRACT

The merging of supply chain management and the internet has taken an important role as a mean for small and medium enterprises (SMEs) to cut their delivery cost, exposing their business into a global market. Malaysian small-scale farmers are linked to a traditional markets limited to its neighborhood. Though the existing number of Rural Internet Centers (RICs) all over Malaysia has improved Information and Communication Technology (IT) literacy among rural community, observations have shown that these centers have not yet been utilized as a mean to make business. The purpose of this project is to propose a requirement model for small-scale farmers in Kedah State to merge the traditional supply chain with the use the RICs as an electronic business centre in view of linking them to the global market as a cheap mean of market and distribution. The requirement model will have two main actors: customer and supplier as small-scale farmer. The supplier will be represented by the system administrator. The model intends to integrate customers, suppliers, products and process order records in a central database.

ACKNOWLEDGEMENTS

First and foremost, I would like to thank Allah (s.w.t) for all the opportunities He has bestowed to me along with His uncountable supports. Without Him I would not have achieved my success today. My sincere thanks and respects go to my mother **Fatima Mbae** (May Allah grant her health and long life and accept her among His pious servants) for her continuous support toward each and every step of my success. Despite her health condition, she never gives up for me. I would like to take this opportunity to make a prayer and sincere thanks to my beloved father **Mhoudine Hadji** (May Allah grant him His blessings and makes his grave one of the room from His paradise). This achievement was one of his prayers. My sincere thanks and respects go to my uncle **Abdillahi Mbae** (May Allah grant him health and long life and accept him among His pious servants) for his financial support throughout my studies. My thanks go to my brothers and sisters as well as their families for their financial and spiritual supports.

My sincere thanks and gratitude goes to my research supervisor, **Mrs Nor Iadah Yusop** for her guidance and support in each and every step along the way throughout the semester. It was a great honor for me to get to know such a sincere, helpful and experienced supervisor. Without her guidance I would not reach this achievement. Time and History will justify it! Special thanks to **Assoc. Prof. Wan Rozaini Sheik Osman** for her all relentless help, advice and knowledge she has imparted that reach further beyond this point today.

Lastly, it would not complete without gives thanks to all my lecturers and classmates especially **Khaled Mohamed Omran** and faculty members for their support and lasting friendships and memories.

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CHAPTER ONE

BACKGROUND OF THE STUDY

This chapter will provide an overview of the organization of the project. In short, this chapter provides initial answers to the questions on why do we need to develop such requirement model, and how the requirement will be developed. This chapter

- introduces the problems that small-scale farmers are facing in general, and also in Malaysian context, and the need of supply chain management system as a mean to solve such problem (see Section 1.1)
- states in detail the distribution, marketing and inventory problems that Malaysia small-scale farmers are facing (see Section 1.2)
- raises questions that should be answered to make sure the requirement model will meet the need of small-scale farmers (see Section 1.3)
- describes the objectives of the project (see Section 1.4)
- provides the target groups and the participants of the project (see Section 1.5)
- describes what the system can do, in short the implication of the system towards the small-scale farmer (see Section 1.6)
- presents the expected output of the system in term of its functionalities (see section 1.7)
- state the organization of the report (see Section 1.8)
- discusses the summary of the whole sections (see Section 1.9)

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