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Cloud Based Mobile Inventory Application

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CHAPTER 1

INTRODUCTION

In this chapter, the vital of this research will be explained at the background study, then proceed to on the problem statement that rise in my research. The research question is based on what is the objective of this research. The scope, significance and the project framework also will be discussed.

1.1 Background of Study

A basic definition of cloud computing is using the Internet to execute tasks on computers (Ramin Khorasani, 2010). Cloud computing model consents access information and computer resources from anywhere that a network is available. Cloud computing is offers data storage space, networks and user applications. Examples of cloud services contain online data storage, mail, and online business applications. Cloud computing is identified to be a helpful key for mobile computing due to many reasons such as mobility, communication and portability (J.Zahorjan, 1994).

Mobile Computing is a technology that lets transmission of data, via a computer, deprived of having to be connected to a fixed physical link (Vasilis Koudounas, 2009). Mobile computing lets people to contact network services anyplace, anytime and anywhere. Cloud computing for mobile devices is a very interesting and potentially

profitable trend (Shanklin, 2010). Applications in mobile computing support how mobile software service can use in order to simplify the mobile user's life. Applications of mobile computing include bank transaction, retail purchases and inventory managing system for small medium and enterprises (jlivi, 2013).

Inventory management systems are vital to how companies' path and control inventories (Jay Way, 2007). Inventory management is vital to maintain adequate inventory for smooth production and selling activities. Applying inventory effective control systems can reduce the total inventory cost. The technology of the mobile and cloud computing enables the growing of business such in managing inventory. Thru mobile cloud computing enabled enterprise mobility growth by 75% for next four years (Juniper, 2012).

This project proposes a cloud based mobile inventory application a mixture of cloud based computing technologies, mobile computing technologies for inventory management system. Cloud apps and the mobile marketplace estimated that \$7 billion was generated by the app store businesses and had reach range \$29.5 billion in 2013 (Gartner, 2011). Using cloud based mobile inventory will support small medium enterprises to manage inventory anywhere, anytime and anyplace.

1.2 Problem Statement

In today's business environment, inventory control is one of the vital business processes through operations as it relays to purchases, sales and managing inventory activities (Devoshire, 2008). Traditional inventory management only focused on improving forecasting but forecast only small part of inventory management problem (Orchestro,