ENHANCED PAYMENT METHOD USING MOBILE PHONES

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ABSTRACT

This thesis (describes the development of Payment Method Using Mobile Phones. Nowadays in Malaysia, generally there are many ways to make any payment in our daily business. There are main systems or methods introduced to overcome the existing inefficient mode of payment method between buyer and seller such as cash, credit card payment, etc.

In this project, Enhanced Payment Method Using Mobile Phones is a new payment method using Bluetooth in our daily business between buyer and seller. Three parties involved in Mobile Payment System which are Mobile phone, Point of Sale (POS) and Bank. This project consists of two main parts.

The first part is to develop programming of Visual C++ Version 6.0 that controls the Development Kit by Ericsson and computer. The second part is to transmit the information using Bluetooth between Mobile phone and POS. The process flow is started by activate the mobile payment application service. Next, select for a particular client (eg: name of supermarket) and enter the PIN number. After a few second, the Bank's Confirmation Message will be displayed on the POS before the payment details is sent to the mobile phone.

Therefore, the Mobile Payment Method can overcome the problems in term of security, ease of use and more efficient. It has a big potential to be applied in Malaysia as a practical payment method.

KEYWORDS

Bluetooth Transmission, Protocol, Interface

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BLUETOOTH PROTOCOL STACK