COMMUNITY DEVELOPMENT DEPARTMENT WEB PORTAL FOR SOUTHERN BORDER OF THAILAND

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ABSTRAK

Kemajuan dalam perkakasan sistem maklumat pangkalan data ini telah berkembang maju dalam pengurusan dan pentabiran barangan dan perkhidmatan pada masa kini. Kebanyakan organisasi menguruskan maklumat mereka dengan menggunakan teknologi pangkalan data. Faedah dan manafaat yang boleh di perolehi dengan penggunaan pangkalan data telah membuahkan organisasi OTOP (Satu Mukim Satu Produk) untuk mengunakan teknologi pangkalan data ini. Dengan penggunaan "Web-Portal" untuk sistem OTOP ini pihak pengurusan boleh melayari laman Web untuk mencari, menambah, mengubah data-data seperti wilayah, pengeluar, jenis barang, alamat pengusaha, tempahan, pembayaran dan sebagainya untuk meningkatkan taraf pemintaan persaingan dalam Negara. Ini juga memasukkan penempahan dan pembelian barangan OTOP "online". Methodologi yang digunakan adalah "Object-Oriented" dengan pendekatan "Unified Modeling Language" yang diapplikasi untuk menganalisasi dan rekabentuk sistem. Pelaksanaan system telah menggunakan teknik dan pekakasan UML untuk merekabentuk seperti Diagram Kelas, Diagram Use Case dan Diagram Sequence. Pertubuhan OTOP dapat memusatkan maklumat organisasi dalam persekitaran laman Web Portal dan juga perkakasan sistem maklumat "online". Sistem maklumat "online" boleh membantu pelanggan sama ada untuk menempah atau membeli barangan OTOP "online". Pelanggan boleh melayari laman Web sistem ini pada bila-bila masa dimana saja. Hasil dan penilaian projek ini didiskusikan pada akhir Bab tesis ini dimana diskusi mengenai signifikan projek, kerja-kerja sokongan untuk kajian masa depan dan kaji-selidik dalam perkembangan konsep, peralatan, teknik dan methodologi.

ABSTRACT

The advancement of tools for database information development has broadened its usage in management and administrative factor of goods and services lately. Most organizations managed their information via the latest database technology. The benefit derived from the usage of the database makes the OTOP (One Tambon One Product) organization to develop and use this database. With the usage of Web-Portal for OTOP system, the management can do transaction, search, edit, and add information like province, producer, product-type, addresses, order, payment, and so forth to enhance competitive demand within the nation. This also includes ordering and purchasing OTOP products online. The methodology used is Object-Oriented with Unified Modeling Language Approach that was being applied for analyzing and designing system. The system implementation uses UML notation supported to design Database, User Interface, and Procedure of the System such as Class Diagram, Use Case Diagram, and sequence Diagram. The OTOP organization can centralize its information in Web Portal and also online database. This online database can assist the customers either to order or to purchase the OTOP products online. The customers can surf information and easily access to the system anytime anywhere. The outcome and evaluation of the project are discussed at the end of the dissertation then discussion on the project significance, recommended work for future study and research in the development of concepts, tools, techniques and methodologies.

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EXECUTIVE SUMMARY

The Web-Portal for OTOP (One Tambon One Product) system for the Southern Provinces of Thailand serves to implement and support the administrative, managerial and production of goods by the Community Development Department. The project implemented focused on Web-Portal for OTOP system. The system implemented Web Database application using two open source technologies, PHP as a scripting language and MySQL for database, which both are popularly use to develop web application at the moment. The project uses Object Oriented and Unified Modeling Language (UML) for analyzing and designing. The system was designed by using Object-Oriented methodology along with UML notation and Diagram that provide the best practices, processes, methodologies, and guidelines. Two types of designs are access layer and user interface design. CASE tools that used for analysis and design system are Microsoft Visio and Rational Rose. The Web-Portal for OTOP System project introduces system management online that allows users to access the system, view province, producer, personal details, product-type, OTOP activity, order details, payment details, to edit, add, update information, transaction and order sales. The development of methodologies, techniques and tools in this project will assist, manage, administer and enhance future advancement of Information Technology System in the near future.

CHAPTER 1

INTRODUCTION

Due to the current crisis in the Southern Thai borders, such as Pattani, Yala and Narathiwat provinces, the local people need to change their income generation methods. The main source of income for these people comes from homemade products and from plantations. However, such source of income is believed to be less sufficient to support the family during the current economic situation. The traditional products such as the "Kopiah" Muslim man headgear, Embroidered Shawls for Islamic Women and Kris Knives have been sold only to the people who are interested for their products but the numbers of buyers are decreased. Moreover, people do not buy a lot of these products to be stocked.

Expansion of the market by making it nationwide will help the people to have more sales and thus be able to support their family better. With the government help to ensure better new life, the possibility to expand the market is great. The Government's project called "OTOP", which stands for 'One Tambon (Village) One Product', focuses on manufacturer, distributors and consumers. This project has become the 'looked-after' activity by the people. In term of marketing the product, whilst the approach varies, the advertisement and sales and order on-line are the options to be studied.

1.1. COMMUNITY DEVELOPMENT DEPARTMENT (CDD) WEB PORTAL FOR SOUTHERN BORDER PROVINCES OF THAILAND – AN OVERVIEW

Southern provinces of Thailand such as Pattani, Yala, and Narathiwat are the places that are located along the Thai border. Agriculture and related activities are the most common occupation in these areas such as Rubber tapping in the Rubber plantations and Paddy planting in the fields. The indigenous knowledge (Local Wisdom) of the locals that was

The contents of the thesis is for internal user only

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