1 MALAYSIA ORANG ASLI COMMUNITY PORTAL

(LOCAL ADMINISTRATIVE SERVICE SYSTEM)

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A thesis submitted in fulfillment of the requirements for the award of the degree of Bachelor of Science (Computer Science)

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April 2010
“I declare that the content of this thesis entitled 1 Malaysia Orang Asli Community Portal (Local Administrative Service System) is my original with the exclusion of references that has been appropriately acknowledged.”

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Date : 15 APRIL 2010
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ABSTRACT

The Government of Malaysia provides various services to the Orang Asli communities scattered in remote areas in Peninsular Malaysia such as general healthcare, maternity and infant care, dental care, police security, communication and education. These services are provided through various agencies such as the Jabatan Hal Ehwal Orang Asli (JHEOA), Kementerian Kesihatan, Jabatan Pendaftaran Malaysia and Police DiRaja Malaysia. Unfortunately, based on our study, each agency’s visits to the Orang Asli village are not well coordinated with other agencies and many data are not shared. This project is to assist the coordination of the local administrative service to the Orang Asli village by providing a web-based portal for a prototype e-government system. Some of the basic features of this system include data collecting, editing, storing, information sharing and generating report. A web-based information system will lead to a more systematic database system that will greatly assist in information searching and dissemination. Besides that, a community-based planner was also developed for the ease of coordination among the various organizations. This planner can later be handled and managed effectively by JHEOA. This project was carried out by studying the needs and requirements of the various stakeholders as well as the Orang Asli communities in Johor by applying Action Research and Soft System Methodologies. The prototype system was designed using UML and developed using evolutionary prototyping approach. The system was implemented using ASP.net application within the Window 7 environment. This project is one of the components in the Orang Asli Community Portal and carried out under the Information Service System Innovation (ISSI) Research Group.
ABSTRAK

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CHAPTER 1

INTRODUCTION

1.1 Overview

The Orang Asli are the indigenous communities found in Peninsular Malaysia. The Orang Asli villages are now more opened and accessible compared to the previous years. There are more services that provided by the government sector nowadays such as general healthcare, maternity and infant care, dental care, police security, communication and education. There is also a place for them to provide services to the Orang Asli in the village respectively.

Unfortunately, there is a major problem in the coordination within each of the organization. Each department’s visits to the orang asli village are not well coordinated and many data are not shared. Besides that, there is population problem in the community and among them often leads to the neglect of their health and of essential needs like proper clothing and nutritious foods for the whole family.
In order to overcome these issues, this project is to assist the coordination of the local administrative service to the Orang Asli by providing a portal prototype. Some of the features of this system are collecting, editing, information sharing and generating Orang Asli report. Besides that, a community planner is developed for the ease of coordination within every organization. Similarly, authorities should look into their needs and problems instead when dealing with the community level.

A prototype web-based information system will be developed to support the coordination of local administrative services for the Orang Asli in Malaysia. This system will help the user organization of Jabatan Hal Ehwal Orang Asli (JHEOA) to manage the community more efficiently.

1.2 Problem Background

The Government of Malaysia provides various services to the Orang Asli communities scattered in remote areas in peninsular Malaysia such as general healthcare, maternity and infant care, dental care, police security, communication and education. These services are provided through various agencies such as the Jabatan Hal Ehwal Orang Asli (JHEOA), Kementerian Kesihatan, Jabatan Pendaftaran Malaysia and Police DiRaja Malaysia. Information on the individual such as maternity check-ups schedule or infant injections is useful in planning such as arranging visits to the remote communities. Information on the community such as their population, birthrate, gender ratio, locality, common or recurring problems and success are important to the progress of the Orang Asli community. Unfortunately, based on our study, the various government departments and agencies providing the services, each have their own record that limits its use and value. Besides that
the issues of coordination within government departments is due to distance problem and have limited resources in Orang Asli village such as transport problem and lack of electricity and medical equipment. Although the Jabatan Hal Ehwal Orang Asli (JHEOA) coordinates the provision of the services there is a need to integrate the various information from the different providers into a central information system that can be shared by the various departments and provide a holistic view to the challenges confronting the Orang Asli communities.

1.3 Problem Statement

There is a need to provide better coordination services within the government sector to the orang asli community. Based on the studies from problem background, Local Administrative Service System will be developed.

1.4 Aim

The goal of the project is to develop a web-based system that can effectively support the coordination of local administrative services for the Orang Asli in Malaysia. The major problem that should overcome includes the following research question:

i. What are the requirements for conducting the Local Administrative Service System?
1.5 Objective

The objectives of this project are as below:

i. To study the requirements for a local administrative service system for the Orang Asli community in Malaysia.

ii. To develop a prototype web-based information system to support the coordination of local administrative services for the Orang Asli in Malaysia.

1.6 Scope

The followings are the scopes for the project:

i. The study will be conducted on the various services administered to the Orang Asli communities in Malaysia and in particular in the state of Johor.

ii. The user organizations targeted for this study will be the Orang Asli communities, Jabatan Hal Ehwal Orang Asli (JHEOA), Ministry of Regional and Rural Development, Ministry of Health (local klinik desa), Red Crescent and local district police.

iii. The service will be more focused on the information of Orang Asli and the event scheduling.

iv. Information gathered the Orang Asli from born to death which includes their medical history, education, marriage as well as their occupation.
v. The information system will be a web-based system and developed using the Microsoft Dot Net system.

1.7 Significance of the Study

The portal is to provide a more systematic and practical information system along with the improvement of information technology. The importance of the studies of this instance is to assist the coordination of the local administrative service to the Orang Asli village by providing a web-based portal for a prototype e-government system. A web-based information system will lead to a more systematic database system that will greatly assist in information searching and dissemination. This project is important to help the local authorities to get the information needed in Orang Asli community. With the information on hand, standard safety measures could be publicised and more extensive studies could be planned for the future usage.

Besides that, a community-based planner was also developed for the ease of coordination among the various organizations. This planner can later be handled and managed effectively by JHEOA. This project was carried out by studying the needs and requirements of the various stakeholders as well as the Orang Asli communities in Johor.

Therefore, this Local Administrative Service System for 1 Malaysia Orang Asli Community Portal will give important contribution to determine both user organization and Orang Asli Community needs.
1.8 Summary

In the nutshell, there is a need to support the coordination of local administrative services for the Orang Asli in Malaysia. Therefore, the 1 Malaysia Orang Asli Community Portal (Local Administrative Service System) is developed to give full administered coordinate services to the Orang Asli communities in Malaysia, in particular the state of Johor. A prototype web-based information system will be developed which include the registration module since the population of Orang Asli community is a major concern among people nowadays and also the event scheduling services for the ease of coordination within the organization. This project development is to assist into efficient management of the Orang Asli community and helps to build a system to increase operational effectiveness and fulfill organization’s requirement of Jabatan Hal Ehwal Orang Asli (JHEOA) in Johor state.