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JUDUL: KLASKA Webpage Management System

SESI PENGAJIAN: 2011/2012

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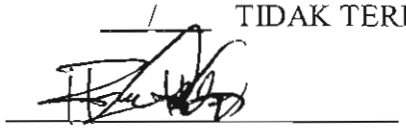

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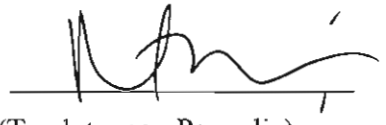

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MUHAMMAD HAZWAN HAKIM BIN ALMI

This report is submitted in partial fulfillment of the requirement for the Bachelor of Computer Science (Database Management)

FACULTI OF INFORMATION AND COMMUNICATION TECHNOLOGY
UNIVERSITI TEKNIKAL MALAYSIA MELAKA
2012

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DECLARATION

I hereby declare that this project report entitled

KLASKA WEB PAGE MANAGEMENT SYSTEM

Is written by me and is my own effort and that no part has been plagiarized without citations.

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DEDICATION

To Almighty, Allah S.W.T

To my greatest idol, Rasulullah SAW

To my beloved parents, Almi Abdul Rahman, Noorani Noordin and my family

To my kind supervisor, Madam Noor Azilah Muda

To all my friends

Thank You.

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ABSTRACT

KLASKA Web Page Management System (KWMS) is a managemement system which handle all the registration of members. It also handle the booking for the equipments. KWMS also provided a alternative way to recovery if the current system going down. For members, they can update their profile, join event and book equipments. For superadmin, he able to back up the whole system, manage user login and manage user's role.

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ABSTRAK

Laman Web Sistem Pengurusan KLASKA (KWMS) adalah sistem pengurusan yang mengendalikan semua pendaftaran ahli. Ia juga mengendalikan tempahan untuk peralatan. KWMS juga menyediakan satu cara alternatif untuk pemulihan jika sistem semasa musnah. Bagi ahli, mereka boleh mengemaskini profil mereka, menyertai acara dan menempah peralatan. Untuk superadmin, dia mampu untuk membuat salinan seluruh sistem, mengurus log masuk pengguna dan menguruskan peranan pengguna.

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CHAPTER I

INTRODUCTION

1.1 Project Background

Sport and recreation is of the important elements in our live. Without sport or recreation, it is unhealthy for our body if we do not have any physical movements in our live day by day. Our health will looks good we as do more sports everyday but not to people do have time to do sport or some recreation activities. At Universiti Teknikal Malaysia Melaka UTeM), a club that focuses on the water sport, Kelab Sukan Air UTeM (KLASKA) was established in 2006.

KLASKA Web Management System (KWMS) is developed to help KLASKA manage their club efficiently. With this system, all the tasks that are do manually before it will transformed into digitalized. KWMS will help KLASKA to manages hundreds of their members efficiently. In this system a student especially registers to KWMS and use it by using all facilities provide by this system.

Furthermore, the admin of this system can change roles if a person that have the role is unavailable holiday. For example, if web admin is unavailable, the another web

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admin will assigned as web admin's role, so this system will run as usually if one of the admin is unavailable.

1.2 Problem Statements

Nowadays, there are a lot of problem made by human intentionally or unintentionally. In the current situation, KLASKA's members manage records without using computerized system. The information used in the system lead to several problems such as the information might be lost or damage and information also hard to search and update. Hence, the information is less secure.

Other than that, the total of the student registered in each semester is hard to calculate because it need to be updated manually. Usually there a lot of registration form papers need to be calculated manually.

Moreover, if there are any information about KLASKA need to be published to everyone, it is hard to inform the KLASKA's members effienctly. If the information is failed to be published to everyone, it will effect KLASKA's reputation and their activities.

Next, it is difficult to manage the equipment of the kayak activities such as, a student want to borrow some equipment, so he need to meet the KLAKSA's top management. So it will waste a lot of time for the student to come to the KLASKA's office to book the equipment by filling a form.

Besides that, the fee of the KLAKSA's members are not managed consistently. If a student wants to pay fee to KLASKA for every semester, KLASKA's management must find the student's registration manually.

Finally, it is difficult for all KLAKSA's members to see the upcoming events that will be held. When an event is planed, it wil be advertised via poster to inform the students. It is not very interesting method for advertisement to attract students to join.

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1.3 Objectives

The objectives are specific into result, task, responsibility and it will be used as a review to the success of this project. This system will be developed according to the following modules:

1.3.1 To manage the record systematically

Student can register their membership fill faster and easily. The data will be saved automatically and the security of the data will be assured. Admin can also manage member's information.

1.3.2 To make the calculation effectively

The recorded registration will be updated automatically and it will easy the KLASKA's member to count the actual number of student that has been registered in KLASKA . The calculation of total registration will also be easily to counted.

1.3.3 To make the meeting and incoming event easily managed

KLASKA's members can view the schedule meeting and can make early planning for their event.

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1.3.4 To control the equipment record effectively

Admin can record the date of the new item borrowed and the expiry date can be known or can be traces automatically. The damages report of equipment also will be saved and also it can be reviewed in the future.

1.3.5 To manage changes of the role/position in KLASKA's management

Admin can change position if there is a new member position is unavailable, such as president's position for the next to year batch.

1.3.6 To spread information will spread successfully to all KLASKA's members.

Admin will send all new KLAKSA's information .that related with KLASKA to all KLASKA's members by email and so on.

1.3.7 To make auditing for certain transaction.

Auditing process will also be developed in this system in order to save previous transactions. For example the date of the member registration processed by admin.

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1.3.8 To backup all information securely

The Graphical User Interface(GUI) will be developed in order to give easy access to admin to backup all KLASKA's information and make it recovery able in case of database failure.

1.4 Scope

This system will be developed and will be used for all UTeM's student. The users of the system are clearly defined for all functions of the KWMS. Scope for this system are divide by two section. The first section is system user and the second section is system module:

1.4.1 System Users

Table 1.1 System Users

Users	Description
Superadmin	Responsible to performs backups for this system and handle all transactions in this system such as who is deleted, who is current login, check user status and other activities that relate to this club.
Member	Able to view events, manage profile and attend events.
Admin	Responsible to handle the management of KLASKA such as create new meeting, update member's profile, add new member, publish information and create new course.
Student/visitor	Only view the information of this club such as incoming event and overview of KLASKA.

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1.4.2 System Modules

Describe the proposed modules and their respective functions – (login / registration / add / delete / update / maintenance / search & query / reporting / backup, etc):

a. Member Registration

Perform by super admin and visitors. Admin can add or register new member in the club by fill up the form and submit it. After register, member needs to verify their membership by email.

i. Email Verification

Perform by new member. A new member needs to click the link sent to their email after they make a new registration.

b. Event management.

Perform by admin. Admin can handles events such as meeting, courses, and attendance.

i. Meeting Management.

-Perform by admin. Admin can add new meeting, update meeting and delete selected meetings.

ii. Course Management

-Perform by admin. Admin can create new course, publish the course, update the course and delete selected courses.

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iii. Attendance Management

-Perform by admin. Admin will handle all the course's attendances that attend by certain members.

iv. Message Spreading

- Perform by admin. Admin can create new message, publish the message, update the event and delete selected events.

c. Backup

Perform by super admin. Super admin can perform a backup. The backup may be fully backup of tables and only certain table.(3)

d. Roles Management

Perform by super admin. Super admin can assign roles to some members that are responsible.

e. Audit Management

Perform by super admin. Admin will trace who is deleted, when the member created and so on.

f. Searching

Perform by admin and member. Easy for admin to find members, event and equipments.

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g. Equipment Management

Perform by store keeper. If there are any maintenance done, store keeper will report it.

i. Equipment status

- Store keeper will update the current status for all equipment automatically assists by KWMS

ii. Equipment maintenance

-Perform by store keeper. Store keeper can updates the complete maintenance completed by member or admin.

h. Reporting

Perform by admin, admin and member to see the result conclusion for every successful transaction.

1.5 Project Significance

KLASKA Web Management System is a system that allows students to manage club efficiently. This system also allows students to book equipment for kayak's

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activity and registers as member via online and did not have to wait from club for confirmation. There are several by developing this system as explained follow.

This system will help student and member to view their information directly through Internet without see the paper form. Student can also see the upcoming activities that will be held through Short Message System (SMS). Beside that, student can also manage their meeting efficiently , for example for the meeting's attendance.

1.6 Expected Output

KLASKA Web Management System is developed to give the system more systematic and user friendly compare with the current system which is manual. When this system is already done and ready to used, users can get more benefits with all functions provided in this system. For example, this system will helps student to manage events, meeting and equipments properly. This system will notify all members by email and mobile phone for every information regarding to this club.

1.7 Conclusion

This chapter contains the detail description of the description of the proposed project which is KWMS. In this chapter, problems from the current system were identified and the main objective and scopes of this system were clearly defined. In this chapter, the possible solution is also suggested as well.

Chapter II discuss as the literature review and the methodology that are used in this system. Literature review will describes all the researches and findings related to this project and the methodology selected to develop this project.

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CHAPTER II

LITERATURE REVIEW AND PROJECT METHODOLOGY

2.1 Introduction

In this chapter, literature review and project methodology will be described in detail. This chapter will be divided into several sections. The first section is about fact findings that discuss and review the existing manual system, references, case study. The second section is about project methodology that will be used to develop KWMS. The project methodology will involve the process of identifying an approach to be used and then describes its advantages and disadvantages. The methodology is the key of succeeding in finishing a project within time and being able to satisfy user's requirements. The third section is about project requirement such as software requirement, hardware requirement and others requirement used in KWMS. The project schedule and milestones will also be discussed in this chapter. Finally, this chapter will prepare a conclusion about chapter II and give overview for the next chapter, Chapter III.

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